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Waterer's Seeds

Bulbs and Plants

1927

Established 1892



WATERER'S SEED CATALOGUE • 1927

We Have Moved Our Store



Customers who have formed the habit of coming to our old store for the past thirty-six years may need to be told again that we have moved our store and offices to a new location where larger quarters enable us to care for our ever-increasing volume of business and better to serve the requirements of our many customers.

Accordingly, as announced in our catalogues for autumn, 1925, and spring, 1926, we have purchased and now occupy the entire building at 714 Chestnut Street, Philadelphia, having moved to that location from 626 Chestnut Street, where we formerly conducted our business.

The new store is in the heart of the seed-trade section of Philadelphia and is less than a city block from the former location. The building itself has been in actual use as a seed store for more than 70 years. We have re-modeled and entirely renovated the interior to make it thoroughly modern and up-to-date in every respect. The new store is attractive and conveniently arranged so that shopping is made easy and pleasant. The customer will not encounter any of the confusion, inattention, and generally unpleasant conditions which are so common in the usual salesroom devoted to the seed trade.

Needless to say, the same high standards of business practice which have characterized the dealings of our firm in former locations in the past thirty-six years are being observed and carried forward in the new store. The same high-grade goods are sold as have made the name Waterer synonymous with "Quality." We are proud of our reputation for fair dealing and unusual service, and we are pleased that the new location affords us the opportunity to extend both, giving us the means whereby we can serve more people and serve them better than ever before. The year we have spent in the new location has fully justified our faith in the loyalty of our customers and their appreciation of the better service which our increased facilities have enabled us to give them.

We cordially invite our customers and friends to come and visit us.

Do not overlook the new address.

THE NEW STORE IS AT 714 CHESTNUT STREET

Suggestions to Customers in Ordering from This Catalogue, Which, if Followed, will be of Mutual Aid

ORDER EARLY.—We endeavor to ship all orders immediately on receipt, but during the rush season it is almost impossible, hence the importance of ordering early.

NAME AND ADDRESS.—Please write on each order your Name, Post Office, Shipping Point or nearest Express Office, your County and State. Use the order sheet enclosed in catalogue if possible.

COUNTER CUSTOMER.—We suggest to those who buy in person at our store the advantage of having their lists made out before they call. They may be left and called for later, taken at once, or shipped. In any case it is a great saving of time to the buyer. The list should have full name and address written on it so that our catalogues may be mailed to the purchaser as issued. We also urge early buying—January and February are good months.

PRICES.—It is our endeavor to maintain the prices quoted in this catalogue throughout the season, but in the event of unforeseen circumstances arising, we reserve the right to change the price of any article (in this catalogue) without notice.

FORWARDING.—We prepay postage to any post office in the United States, on vegetable and flower seeds quoted by the packet, ounce, and quarter pound. All other goods are sent by express or freight at purchaser's expense. We make no charge for delivery to freight depots or express offices in Philadelphia.

REMITTANCES should be made by Post Office Money Order, Express Money Order, Registered Letter or Draft on Philadelphia or New York banks. Small sums may be sent in loose postage stamps of small denominations.

NON-WARRANTY.—Hosea Waterer gives no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants he sends out, and he will not be responsible in any way for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

PARCEL POST RATES

WEIGHT LIMIT.—The weight limit within the First, Second, and Third Zones is now 70 pounds, and within all other Zones 50 pounds. Shipments of 20 pounds or over are cheaper if sent by express beyond the Second Zone.

DOMESTIC PARCEL POST RATES

	Within the United States and Possessions	First pound or fraction	Each additional pound or fraction
First zone, within 50 miles of Philadelphia	7 cts.	1 ct.
Second zone, within 50 to 150 miles of Philadelphia	7 cts.	1 ct.
Third zone, within 150 to 300 miles of Philadelphia	8 cts.	2 cts.
Fourth zone, within 300 to 600 miles of Philadelphia	9 cts.	4 cts.
Fifth zone, within 600 to 1,000 miles of Philadelphia	10 cts.	6 cts.
Sixth zone, within 1,000 to 1,400 miles of Philadelphia	11 cts.	8 cts.
Seventh zone, within 1,400 to 1,800 miles of Philadelphia	13 cts.	10 cts.
Eighth zone, all over 1,800 miles of Philadelphia	14 cts.	12 cts.

All goods sent by parcel post are at purchaser's risk, unless insured. Insurance is 5 cents for \$5, 8 cents for \$25, 10 cents for \$50. This insures delivery only, but not damage to package.

Should you want to purchase anything needed in the garden, greenhouse, or farm, not listed in this catalogue, we will gladly fill your order at the lowest market price, or quote prices if desired.

GARDENERS' AND FARMERS' SITUATIONS.—We have, at times, the names of practical gardeners and farm managers in want of situations. If parties desiring such will write us, we shall be glad to put them in communication with men whom we deem suitable. We make no charge for this service.



Waterer's Superb Giant-Flowered Snapdragons

A group of the finest named varieties of this favorite flower which is so much prized nowadays for both showy effects in the garden and exquisite bouquets of cut-flowers.

This is a new and distinct class of Snapdragons that far surpasses any previous introductions. The flowers are very much larger than those of the other sorts, while the spikes are larger and heavier. They are truly extraordinary Snapdragons.

Lilac Spray. Lilac and gold.

Wallflower. Golden brown and orange.

The Rose. Soft rose-pink.

Apple Blossom. The name describes it.

Purple King. Glowing royal purple.

Fire King. Blazing tawny red.

Each, pkt. 25 cts.

COLLECTION: One pkt. each of above 6 varieties, \$1.25



Results of Waterer's Best Lawn Grass Mixture

HOW TO MAKE A LAWN

A WELL-MADE, well-kept lawn is a priceless possession. Nothing is more universally admired and sought for by people of good taste and discrimination. A good lawn requires intelligent effort and care. The main thing is to start right. The materials and foundation determine the quality of a lawn as much as of a building of brick and mortar.

The soil should be graded, spaded or plowed, harrowed or raked, and fertilized with commercial sheep-manure or bone-meal. Unless barnyard manure is very old and rotten, it is likely to contain weed seeds which cause trouble. The surface should be pulverized and made as smooth as possible, removing clods, sticks, roots, and stones.

Well-cleaned grass seed should be chosen, consisting of a proper mixture of grasses suited to the locality and the particular location. Good seed makes a better lawn than sod. When the ground has settled and has been rolled firm, sow the seed evenly and thickly, at the rate of 5 bushels or 100 to 120 pounds to the acre. Choose a still day and make two sowings at right angles to each other to insure even distribution. A light sifting of rich soil over the seed is beneficial, or it may be lightly scratched with a rake. Firm the surface afterward with a roller or by vigorous blows with the flat of the spade. If the sowing can be done shortly in advance of a light rain it is very fortunate, but, at all events, a newly seeded lawn should not be permitted to become dried out until the grass is up and fairly well established.

Cut the new grass as soon as it will engage the blades of the mower and keep it cut regularly. All lawns, even those that are well established, should be watered well in hot, dry weather.

Old lawns should be reseeded lightly every season to maintain vigorous growth and to discourage weeds. This can be done in either spring or fall, and should follow a light raking. Two bushels, or 40 pounds, to the acre is sufficient, and it should be rolled or patted into the soil.

Sow grass seed in all holes where weeds have been dug. Should dead spots appear in the lawn, spade them up, working plenty of fertilizer into the soil and sow seed at the rate of 1 pound for every 100 square feet, keeping the spots well rolled and watered. An annual application of commercial manure or bone-meal should be given every spring, applying it at the rate of 800 pounds to the acre.

Waterer's Best Lawn Grass Mixture

A combination of various American and European types of fine-leaved, deep-rooting grasses of interweaving habit, that flourish under our trying conditions of sunshine and drought, and good, bad and indifferent soils, growing during different periods of the year, so that it maintains a close, velvety surface which does not burn brown in summer and is not killed by hard freezing. This "Best" Mixture has been given the utmost care and selection to keep it strictly of the highest grade, to insure a perfect and luxuriant lawn with closely interwoven, firm, and elastic turf, which is usually ready for cutting six weeks after sowing. Highly recommended. Pt. 30 cts.; qt. 50 cts.; pk. \$3.25; bus. (20 lbs.) \$12.



Waterer's Special Evergreen Lawn Mixture

WATERER'S GRASS SEED MIXTURES FOR LAWNS AND PLEASURE GROUNDS

EQUAL TO ANY — SUPERIOR TO MANY — SECOND TO NONE

In the latitude of Philadelphia, the seed may usually be sown from March 20 to June 20 and from August 15 to October 15, preferably in the early spring or early fall to get the benefit of the rains. A quiet day should be chosen, so the seed can be sown evenly. It is best to make two sowings, the second at right angles to the first; this insures more even distribution. After sowing the seed it should be harrowed or raked in and then the ground should be rolled. One pound is sufficient for 100 square feet, 100 to 120 pounds for an acre; or for renovating old lawns, about half that quantity.

If Grass Seed is wanted by parcel post, please add for postage at your zone rate. See second cover page

Waterer's Special Evergreen Lawn Mixture

is composed of the best natural lawn grasses in the proper proportions of enough varieties to insure a good stand of grass in a wide diversity of soils and situations. It includes sorts for both dry and damp soils, for acid and limey ground, and, in fact, there are seeds of enough varieties for different purposes to make sure of a smooth even stand and a lawn continually green and flourishing under almost all ordinary conditions of climate, and able to withstand hard usage. Pt. 25 cts.; qt. 45 cts.; pk. \$2.75; bus. (20 lbs.) \$10.

Waterer's Mixture for Shady Places

There are always spots under trees and in the shadow of buildings where the sun-loving grasses will not grow. For places of this kind we have prepared a careful mixture of those grasses which naturally thrive in the shade. This mixture consists of the highest grade of reseeded seeds, and should produce a good lawn in difficult shady places. Even shade-loving grasses will not grow under trees without being watered because the tree roots are very greedy and absorb the moisture from the surface quickly. Pt. 25 cts.; qt. 45 cts.; pk. \$2.75; bus. (20 lbs.) \$10.

Waterer's Popular Evergreen Lawn Mixture

In this mixture the quantities of some of the more expensive grasses are reduced or left out. Produces a thick turf, well adapted to hard usage. Pt. 20 cts.; qt. 35 cts.; pk. \$2.15; bus. (20 lbs.) \$8.

Waterer's Fairmount Park Mixture

A superior grade of lawn grasses of the more enduring, strong-rooting, drought-resisting kinds, blended to form a high-class utility mixture for broad planting of wide spaces. Pt. 20 cts.; qt. 30 cts.; pk. \$1.90; bus. \$7.

Waterer's Terrace Mixture

A special mixture of grasses best suited for sowing on terraces and side-hills—grasses that produce strong, spreading roots, thus preventing heavy rains from washing them out, that will withstand drought and exposure, thrive on shallow soils, and at the same time produce a rich, green turf throughout the season. Pt. 25 cts.; qt. 45 cts.; pk. \$2.75; bus. (20 lbs.) \$10.

White Dutch Clover Seed

Excellent for use on lawns; forms a close herbage and remains green throughout the season. We furnish the choicest grade of seed. Lb. 85 cts.; 5 lbs. \$4; 10 lbs. \$7.75; bus. (60 lbs.) \$45.

FOR OTHER CLOVER AND GRASS SEED, SEE PAGE 56

WATERER'S SEASHORE LAWN GRASS SEED. A special mixture of grasses peculiarly suited for seaside lawns, composed of strong-rooted varieties which will quickly produce a good turf. Pt. 25 cts.; qt. 45 cts.; pk. \$2.75; bus. (20 lbs.) \$10.

WATERER'S GOLF LINKS MIXTURE. The grasses in this mixture will produce a rich green turf that will resist tramping and hard wear and will retain its color during the severest drought. Sow 100 pounds to the acre. Pt. 20c.; qt. 35c.; pk. \$2.15; bus. \$8.

WATERER'S PUTTING GREEN MIXTURE. A mixture of very fine-bladed varieties of grasses suitable for the production of a close, thick, fine turf. Pt. 40 cts.; qt. 75 cts.; pk. \$4.75; bus. (25 lbs.) \$18.

WATERER'S TENNIS COURT MIXTURE. A mixture of fine grasses for tennis courts, and which will make a firm, green and lasting turf. Pt. 25 cts.; qt. 45 cts.; pk. \$2.75; bus. (20 lbs.) \$10.



Waterer's Shady Place Lawn Mixture

RECENT NOVELTIES AND SPECIALTIES for 1927

Antirrhinum majus grandiflorum

Waterer's Superb Giant-Flowered. See page 1.

Harmony. A rich terra-cotta-orange, shaded with rose and merging into golden yellow at the center. Pkt. 25 cts.

Peach Blow. The individual flower is unique in its coloring, having a central band of rich golden yellow which merges above and below into a delicate tint like the flush on the cheek of a well-ripened peach. Pkt. 25c.

Carnation, Chabaud's Giant

A new acquisition in the line of Carnations, coming into bloom six months from seed and continuing throughout the summer. The plants are of robust, upright habit, forming ten to twenty stalks which bear huge flowers of fine form. They come about 90 per cent double and quite true.

This group should not be confused with the old Chabaud type.

Cardinal-Red

Salmon-Rose

Yellow

Flesh-Pink

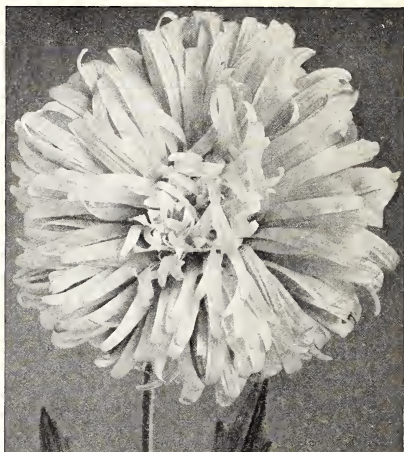
White

Mixed, all varieties

Rose-Pink

Each, pkt. 25 cts.

COLLECTION: One pkt. each of the 6 colors, \$1.25



California Giant Aster

Aquilegia, Long-spurred Hybrids

Mrs. Scott Elliott's Strain

The flowers, in shades of orange, mauve, terra-cotta, etc., are carried boldly on thin wiry stems, admirably fitting them for table decoration or other light decorative work. A few plants raised annually will be certain to provide some new shade. Pkt. 25 cts.

Asters, California Giants

Crego or Ostrich Feather type, having very robust habit and long stems. Flowers are much larger and more substantial than the Crego, often measuring 5 to 6 inches in diameter. A good keeper and makes an excellent shipping flower. Their immense size and beauty, as well as their long and sturdy stems, make them very attractive for both garden and vase.

Peach Blossom, Light Blue, Light Purple, Deep Rose, Dark Purple, White, and Mixed.

Pkt. 25 cts. One pkt. each of the above 6 colors, \$1.25

Calendula, Ball's Orange

The flowers are extra-large, very double, perfect in shape and of a pure glowing orange color. The growth of the plant is also somewhat more compact, with less tendency to straggle than other varieties of Calendula. Pkt. 25 cts.; large pkt. 60 cts.

Dahlia, Coltness Hybrids

A splendid new class of single Dahlias. The plants are of neat, compact habit, averaging about 1½ feet high, and bearing a full and continued succession of bloom from July until the frosts. The colors are most varied, embracing light and dark scarlet, crimson, dark blood-red, white, purple, mauve. Bizarre combinations, such as scarlet tipped white, yellow striped white, yellow flushed red. Pkt. 25 cts.

Dianthus Allwoodi

This new race of hardy plants, belonging to the Dianthus family, has met with appreciation everywhere. Can be sown in all seasons, in spring and summer in the garden, and in autumn and winter under glass. Varied colors. Blooms from seven to nine months from date of sowing. Pkt. 50 cts.

Delphiniums

New Large-flowered Hybrids

These magnificent hybrids are the grandest of Delphiniums in existence, and produce

DELPHINIUMS, continued

splendid 2 to 5-foot spikes of immense, semi-double and double flowers.

Amos Perry. Pale blue, dark center; semi-double; long, compact spikes.

Ariel. Very pretty blue, shaded mauve.

Johan. Dark gentian-blue, with white center. Semi-double.

Mrs. Roper. Blue, white eye.

Mrs. H. J. Jones. Beautiful silvery blue.

Peacock. Bright peacock-blue, with rosy carmine inner sepals.

Each, pkt. 25 cts. One pkt. each of the above 6 varieties, \$1.25

Tall Larkspur,

Double Stock-flowered

Exquisite. The color of this charming new Larkspur is a beautiful soft pink. Very vigorous, producing long graceful spikes. Pkt. 20 cts.

Rosy Scarlet. Lovely color; great favorite in the garden and for cutting. Pkt. 20 cts.

Dimorphotheca Eklonis

Not exceeding 2 feet in height, it forms a strong-growing, compact bush and bears large, star-shaped pure white flowers up to 3½ inches across, with a diminutive deep blue disc. Being borne on long stiff stalks, these chaste and beautiful flowers are as useful for cutting as they are decorative in the border. Pkt. 25c.

Gaillardia grandiflora,

Dazzler

Few flowers rival the Gaillardia for making a gorgeous display in the garden, and this fine new variety is an advance on all others of its class. It produces large flowers, often 4 to 5 inches across, of bright golden yellow with rich maroon-red center, the two tints well-balanced and in harmonious proportion. The plant is vigorous, throwing up a profusion of long, erect flower stalks which provide excellent material for cutting and are unsurpassable for table decoration. Pkt. 25 cts.



Hybrid Delphiniums

RECENT NOVELTIES AND SPECIALTIES for 1927



Royal Bouquet Verbena

Gypsophila paniculata fl.-pl., Snow-White

A serious drawback to the usefulness of the popular Double Perennial Gypsophila has hitherto been that it is not really a pure white. After a number of years of careful selection, our growers have succeeded in obtaining a strain of which the flowers are an absolutely pure white, and we have now great pleasure in offering it. Another valuable feature of this novelty is that it produces a larger percentage of double flowers than the old type, so that it has an assured future for all the purposes for which Gypsophila can be used. Pkt. 25 cts.

Nicotiana Sanderae, Crimson King

Several handsome hybrids of the original *N. affinis* have ornamented many gardens for a number of years, but this new variety excels them all in color, presenting as it does the richest and deepest tint—a dark velvety crimson-red. The extra-large flowers of Crimson King are of splendid effect, either alone or in conjunction with the pure white and other colors already existing in this handsome and useful species. Pkt. 25 cts.

Papaver nudicaule, Sunbeam Improved

Introducing new colors of the deservedly popular Iceland Poppies in new tints such as maize, cream, and various shades of rose. The flowers, too, are much larger, and are borne on long, wiry stems. A great advance on already existing strains. Pkt. 25 cts.

Balcony Petunias

A splendid, large, free-flowering type for window-boxes, vases, hanging-baskets, etc. The flowers average 3 inches across and make a very effective display over a long season.

	Pkt.		Pkt.
Blue. Velvety indigo-blue.....	\$0 15	White. The pure white form.....	\$0 15
Rose. Brilliant rose-pink.....	15	Crimson. Rich velvety crimson.....	15
Mixed.....	10		

COLLECTION: One pkt. each of the above 4 colors, 50 cts.

Salvia splendens, Harbinger

As the most brilliant of all bedding plants, the *Salvia* well deserves its pride of place. Plants raised from seed sown at the end of February commence to produce in profusion their long spikes of dazzling bright scarlet flowers early in June and maintain a blaze of color until frost. A more magnificent summer bedding plant can hardly be imagined. The plants are dwarf and compact in habit and the strong dark foliage forms an effective foil to the vivid hue of the flowers. Pkt. 35 cts.

Scabiosa Columbaria

A South African form of this handsome European species. The very freely produced flowers measure 2 to 2½ inches across, are of beautiful shape, reminiscent of *S. caucasica* on a smaller scale, and appear at present in two colors, one being a true delicate mauve and the other deep rose mauve, almost a rose, in fact, a charming and unique shade among perennial Scabious. The deeply lacinated foliage is also decorative, and we can strongly recommend this plant both for garden and for cutting purposes. Delicate Mauve and Rosy Mauve, each, pkt. 35 cts.

Verbena hybrida compacta, Royal Bouquet

It forms a plant 15 to 18 inches high and not more than 10 inches across, no lateral branches being thrown out, and what gives this novelty its special value is the fact that the flowers will compare in size and variety of color with those of the finest strains of Auricula-eyed Verbena. Pkt. 35 cts.

Verbena, Mammoth

A magnificent new strain of Verbenas, of robust compact habit and free blooming. The trusses are immense, the individual florets measuring an inch in diameter. These Verbenas are fixed and come true from seed.

Rose Queen. Lovely delicate rose; magnificent heads of large flowers; very early. Pkt. 25 cts.

Scarlet Queen. Vivid scarlet flowers with large white eye; splendid bedding sort. Pkt. 25 cts.

Helen Willmott. Bright salmon-rose, white eye; large flower. Pkt. 25 cts.

Luminosa. Flame-pink, toning to softer shades of salmon, flesh, and coral. Pkt. 25 cts.

COLLECTION: One pkt. each of the above 4 colors, 85 cts.

Viola cornuta, Blue Gem (Jersey Gem)

Few plants are of more general usefulness in the garden than *Viola cornuta* and its varieties, and the good qualities possessed by these plants are present in even greater measure in this new sort. Blue Gem forms a large, compact plant, producing a continuous profusion of bloom for a very long period—considerably longer than other Cornuta varieties. The flowers are a very pleasing shade of deep violet-blue, with an occasional very slight variation in tint, and may be relied on to come about 70 per cent true from seed. Has a wonderful power of resisting drought, the plants continuing to throw up flowers long after other varieties are withered. Pkt. 35 cts.

Double Dahlia-Flowered Zinnias

This is the greatest advance in this popular flower since the introduction of the Grandiflora types. Since first disseminated, about five years ago, it has attained a widespread popularity comparable with no other flower that is at once so easily grown and universally admired. It is so adaptable to various soils and climatic conditions that it is hard to conceive of a location where it will not prove a money-maker for the cut-flower grower, while it will always rank high as a wonderful garden flower on private estates. In the list below of named varieties we are giving the raisers' descriptions which have in every case proved true in our trials.

	Pkt.	Large pkt.
Buttercup. Deep buttercup-yellow.....	\$0 20	\$0 50
Crimson Monarch. Deep crimson flowers.....	20	50
Dream. Deep lavender, turning to purple.....	20	50
Exquisite. Light rose, deep rose center.....	20	50
Oriole. Orange and gold.....	20	50
Scarlet Flame. Beautiful bright scarlet.....	20	50
Mixed. All colors.....	15	50

COLLECTION: One pkt. each of the above 6 colors, \$1

For General List of Flower Seeds, see pages 6 to 34



Dahlia-flowered Zinnia



Waterer's Choice Flower Seeds

Our Flower Seeds are all procured from the best sources in America and Europe, and are of the very Highest Quality



CULTURAL HINTS. Flower seeds are usually divided into Annuals, those living one year; Biennials, those living two years, and usually not flowering until the second year; and Perennials, those living from year to year. Annuals may be made to flower much earlier and many Biennials and Perennials may be made to flower the first year by starting early in hotbeds or in a window in the house.

For starting in the house, use a shallow box about 3 inches deep and bore $\frac{1}{2}$ -inch holes in the bottom for drainage. Fill the box with one-third good loam or garden soil, one-third leaf-mold, and one-third well-rotted manure, mixed thoroughly and sifted through a fine sieve. Press lightly and sow seed on top of the soil, covering thinly and pressing the earth gently with a board. It is a good rule to cover house-sown seed three times its own depth. But some seeds, such as *Celosia Chidisi*, must not be covered even as much as this. Fine seeds, like *Petunia*, should be sown on top of the ground and just pressed in with the hand, watered with a fine spray, and covered with glass until they come up, then the glass should be removed, be careful not to water the young plants too much as it will cause them to damp off.

When the young plants are well out of the seed-leaf, they must be transplanted into boxes, setting them about 1 inch apart, or they may be transplanted into small pots. Transplant to the garden when the ground warms up to assure safety of the plants.

In sowing in the open ground, have the seed-bed well pulverized, cover the seed from five to eight times its size, and press the ground lightly over them to preserve the moisture.

ABUTILON · Flowering Maple

Perpetual flowering greenhouse shrubs of easiest cultivation, and invaluable for summer bedding or conservatory decoration. Seeds sown in March produce flowering plants the first season. 3 to 4 feet.

Extra Choice Mixed. Saved from a splendid collection, the colors include shades of White, Yellow, Pink, and Crimson. Pkt. \$0 25

ACHILLEA

Ptarmica, The Pearl (Double White Yarrow). One of the best hardy perennials. Bears a profusion of small, double white flowers during the entire season. Fine for cutting. 2 $\frac{1}{2}$ feet. Pkt. 15

ACROCLINUM

Very pretty annual, producing white and rose-colored daisy-like flowers. These are the "Immortelles," so desirable for winter bouquets. 1 foot. Pkt.

Double Mixed..... \$0 10
Single Mixed..... 10

ACONITUM

Napellus (Monkshood). Blue. Hardy perennial plant, with showy panicles of helmet-shaped flowers, does well in shady places or under trees. 4 feet..... 10

AGERATUM · Floss Flower

A hardy annual of easy culture, especially valuable for bedding, as it is literally covered with blossoms all summer. Sow the seed early in the spring, either in boxes to transplant, or outdoors, and thin to 4 or 6 inches. Pkt.

Blue Perfection. Deep blue. 1 foot..... \$0 10

Little Dorrit. A perfect mass of blue flowers. 6 inches..... 10

Little Blue Star. A very dwarf variety, densely covered with small, light blue flowers..... 15

Imperial Dwarf Blue. 8 inches..... 10

Imperial Dwarf White. 8 inches..... 10

AGROSTEMMA

Coronaria (Rose of Heaven; Mullen Pink). Hardy perennial, with silvery white leaves and red flowers, borne on long slender stems; fine for cutting. 2 feet..... $\frac{1}{2}$ oz. 25 cts. 10

Coronaria alba. A pure white variety..... 10

Antirrhinum · Snapdragon

HALF-HARDY PERENNIALS

Seed should be sown either in the house from February on or in hotbeds from March onward. Snapdragons belong to the aristocrats of the garden. They appear in the most pleasing shades, are extremely stately in appearance, and useful in unlimited degree, being fine both for bedding and cutting purposes. They are offered in two classes as to height, the giants growing fully 3 or more feet high; the semi-dwarf, about 1½ feet. The pretty flowers, which completely encircle the stout stem to fully 1 to 1½ feet at the top, are very large and from their form their name has been derived. Seed-pods should never be allowed to form, and flower-stalks, after blooming, should be promptly removed. Snapdragons flower continuously from July to frost.

GIANT-FLOWERED VARIETIES

Flower-stems will grow to a height of 3 feet or more and flowers are unusually large. Allow 9 inches between the plants.

	Pkt.	Large pkt.
Giant Garnet.....	\$0 10	\$0 30
Giant Pink.....	10	30
Giant Rose.....	10	30
Giant Scarlet.....	10	30
Giant White.....	10	30
Giant Yellow.....	10	30
Giant Mixed.....	10	30

COLLECTION: One pkt. each of the above
6 colors, 50 cts.



Waterer's Half-Dwarf Snapdragons

- Feltham Beauty.** Deep rose-pink, white center; very large flower.....\$0 25
- Silver Pink.** Original pkt. \$1.25.
- Harmony.** See Novelties and Specialties, page 4..... 25
- Peach Blow.** See Novelties and Specialties, page 4..... 25
- Philadelphia Pink.** Rich, glowing pink, approaching that of the Ward carnation. A most useful color at all times. Beautiful under artificial light. Original pkt. \$1.25.

HALF-DWARF VARIETIES

These grow about 20 inches in height and produce spikes of flowers of the largest size.

	Pkt.	Large pkt.
Daphne. Soft blush-pink.....	\$0 10	\$0 30
Defiance. Orange-red.....	10	30
Firebrand. Bright scarlet.....	10	30
Golden Queen. Rich yellow....	10	30
Mont Blanc. Pure white.....	10	30
Rose Queen. Rich rose.....	10	30

COLLECTION: One pkt. each of the above
6 varieties, 50 cts.

- Pink Perfection.** (New.) Long perfect spikes of a beautiful shade of pink described as Hermosa pink, suffused salmon. 25
- The Fawn.** Rosy fawn color, with white tube and yellow lips; base beautifully blended; a fine bright, new shade..... 15 40
- Mixed.** All colors. Pkt. 10 cts.; ¼oz. 35 cts.
- ANTIRRHINUM, Waterer's Superb Giant-flowered.** See color plate, page 1.



Alyssum, Carpet of Snow

ALYSSUM

A fragrant, hardy annual, bearing spikes of small, white flowers in great profusion throughout the summer and autumn. Useful for borders or early bedding flowers.

Little Dorrit. This variety forms a perfect little bush Pkt. $\frac{1}{4}$ oz.
with miniature white rocket flowers. A perfect gem
for borders or beds.oz. \$1. \$0 10 \$0 35

Carpet of Snow. The dwarfest of all Alyssums. Of
creeping habit, forming a dense carpet of beautiful
white flowers, produced so freely that the foliage can
scarcely be seen. 4 inches.oz. \$1. 10 35

Little Gem. Pure white; grows only 4 inches high, and
flowers profusely.oz. 75 cts. 10 25

Sweet Alyssum (*A. maritimum*). Of trailing habit;
flowers white.oz. 30 cts. 10

Lilac Queen. A distinct, new annual variety with
white lilac-colored flowers. The plants are of dwarf
compact growth.oz. 60 cts. 10 25

Saxatile compactum. A pretty Alyssum for rock-
gardens and for borders in perennial beds. The plants
are 9 inches in height, spread freely, and produce
masses of bright yellow flowers in early spring. 10 35

AMMOBIUM

Alatum grandiflorum. Valuable white Everlasting. The
fully expanded flower has a
yellow center. If sown
in April or May and
treated as a hardy an-
nual the plants bloom
freely the same year.
2½ feet. Pkt. 10 cts.,
 $\frac{1}{4}$ oz. 25 cts.



Anemone, St. Brigid

AMARANTHUS

Hardy annuals, grown especially for their brilliant foliage.

Caudatus (Love-lies-bleeding). Light yellowish green foliage; Pkt.
long, drooping, crimson flower-spikes. 3 to 4 feet. \$0 10

Cruentus (Prince's Feather). Tall spikes of feathery red flow-
ers. 3 feet. 10

Tricolor (Joseph's Coat). Plant 3 feet high, with brilliant
leaves variegated red, yellow, green, etc. 10

Tricolor splendens. Of more brilliant coloring than the pre-
ceding sort. 10

ANCHUSA

Capensis (Cape Forget-me-not). A very pretty an- Pkt. $\frac{1}{4}$ oz.
nual, blooming all summer. Large, forget-me-not-like
flowers of purest blue, on slender stems with small
foliage. Very attractive in beds and fine for cutting.
18 inches. \$0 10 \$0 25

Italica, Dropmore. A lovely blue perennial, some-
times called the "Summer Forget-me-not." It blooms
during May and June, and the large forget-me-not-
like flowers of deep cerise-blue are produced in loose
clusters on long spikes. 4 feet. 15 40



Arctotis grandis

ANEMONE · Windflower

Very pleasing hardy plants for the herbaceous border. Fine
large flowers. Excellent for bouquets and table decoration. Pkt.

Coronaria. Mixed colors. \$0 10

St. Brigid. A beautiful selection, comprising semi-double
and double flowers. 15

ANTHEMIS · Hardy Marguerite

Tinctoria Kelwayi. A handsome, hardy perennial, bearing
daisy-like bright yellow flowers all summer; excellent for
cutting. 2 feet. 10

ARABIS · Rock Cress

Alpina. Early spring-flowering perennial plants especially
adapted for edging and rockery. They form a dense carpet
completely covered with pure white blossoms in May.
6 inches. $\frac{1}{4}$ oz. 35 cts. 10

ARCTOTIS · African Daisy

Grandis. A remarkably handsome annual which forms bushes
2 to 3 feet high. Its flowers are large and showy, being pure
white on the upper surface, embellished with a narrow yellow
zone at their base; the reverse of petals is pale lilac-blue.
 $\frac{1}{4}$ oz. 30 cts. 10



Royal Aster



King Aster



Giant Comet Aster



Branching Aster

WATERER'S SUPERB ASTERS

There are few flowers that make a better show in the fall than the Asters. They are, perhaps, the most popular annual flower grown, and justly so on account of their ease of culture, season of bloom, and lasting qualities, both in the garden and as a cut-flower. To be able to cut Asters abundantly and over the longest possible period, you should make several sowings of the early, midseason, and late-flowering types. Sow the seed in shallow boxes in the house or in the hotbed in March; transplant the seedlings 2 inches apart in boxes, when they are large enough to handle; and plant to permanent beds in May. The second sowing can be made in the coldframe the latter part of April. The third sowing should be made the latter part of May. Set the plants of early varieties 10 inches apart in the row, and those of the later varieties 15 to 18 inches apart. The richer the ground the better your flowers will be, and water is very necessary. In the following list you will find not only the standard varieties of merit, but many of the newer sorts which we know are sure to please.

Giant Late Branching

This superb strain is of American origin and is especially adapted to our climatic conditions. The plants form strong, branching bushes, 2 to 2½ feet high, bearing on long, strong stems their handsome chrysanthemum-like flowers, which under ordinary cultivation, average 4 inches across. The form of the flowers, together with the length of the stems, places them at the head of Asters for cutting. They come into bloom from two to three weeks after the average type, usually being at their best during September.

	Pkt.	Large pkt.	Oz.
Crimson	\$0 10	\$0 50	\$2 25
Lavender	10	50	2 25
Purple	10	50	2 25
Rose-Pink	10	50	2 25
Shell-Pink	10	50	2 25
White	10	50	2 25
Finest Mixed	10	40	1 50

COLLECTION: One pkt. each of above 6 colors, 50 cts.

Royal

One of the best early-flowering sorts. It is quite similar in type of flower to the Late Branching, but will come into bloom only about a week later than Queen of the Market. Very desirable for beds or borders and an excellent variety for cutting.

	Pkt.	Large pkt.		Pkt.	Large pkt.
Lavender	\$0 10	\$0 50	Shell-Pink	\$0 10	\$0 50
Purple	10	50	White	10	50
Rose	10	50	Mixed	10	40

COLLECTION: One pkt. each of above 5 colors, 40 cts.

American Beauty

This beautiful variety is, beyond doubt, one of the grandest sorts in cultivation. It is of the Late Branching type, growing from 2 to 2½ feet high. The flowers are large and full, with incurved petals measuring from 4 to 5 inches in diameter, and are borne on stems from 15 to 20 inches long.

	Pkt.	Large pkt.		Pkt.	Large pkt.
Shell-Pink	\$0 15	\$0 50	Purple	\$0 15	\$0 50
Deep Rose	15	50	White	15	50
Lavender	15	50	Mixed	15	50

COLLECTION: One pkt. each of above 5 colors, 65 cts.

Queen of the Market

These well-known, early-flowering Asters are of a branching habit, about 1½ feet high, and come into bloom directly after the Extra Early Express. The perfect flowers are borne on long stems and in great variety of colors, making them extremely useful for cutting.

	Pkt.	Large pkt.		Pkt.	Large pkt.
White	\$0 10	\$0 40	Lavender	\$0 10	\$0 40
Pink	10	40	Purple	10	40
Rose	10	40	Finest Mixed	10	35

COLLECTION: One pkt. each of above 5 colors, 40 cts.

Express, Extra Early

Early-flowering Asters of great merit, not only for garden purposes but of even more value for early cut-flowers, as they come into bloom in the open ground with us by the middle of July. They are the largest early Asters of which we know, of double Comet type, splendid substance and long stems; plants healthy, sturdy, of branching habit, 1½ feet high; free bloomers.

	Pkt.	Large pkt.		Pkt.	Large pkt.
Dark Blue	\$0 10	\$0 50	White	\$0 10	\$0 50
Rose	10	50	Finest Mixed	10	40

Asterum

Elegantly formed flowers, with long petals curiously entwined and intermixed, forming a shaggy mass resembling the finer types of Japanese chrysanthemums; long stems.

	Pkt.	Large pkt.		Pkt.	Large pkt.
White	\$0 15	\$0 50	Lavender	\$0 15	\$0 50
Rose-Pink	15	50	Mixed	15	50

Giant Comet

An ideal class for cut-flowers, being not only most profuse bloomers, but each individual flower is borne on a stiff stem and resembles an exquisitely curled and twisted Japanese chrysanthemum, 2 feet.

	Pkt.	Large pkt.		Pkt.	Large pkt.
White	\$0 10	\$0 50	Lavender	\$0 10	\$0 50
Shell-Pink	10	50	Purple	10	50
Rose	10	50	Finest Mixed ...	10	50
Crimson	10	50			

COLLECTION: One pkt. each of above 6 colors, 50 cts.

King

A magnificent class of Asters, distinct from all others in the character of the flower. The long, narrow petals are folded lengthwise, appearing almost as though quilled. The flowers are of great size and substance and last longer when cut than those of any other class. The plants are large and the stems exceptionally long and strong.

	Pkt.	Large pkt.		Pkt.	Large pkt.
White	\$0 15	\$0 50	Violet	\$0 15	\$0 50
Shell-Pink	15	50	Lavender	15	50
Rose	15	50	Finest Mixed ...	15	50
Crimson	15	50			

COLLECTION: One pkt. each of above 6 colors, 75 cts.

Moreton Pink

The finest bright pink Aster

A rich, clear, bright pink Aster that is proving its merit by its steady increase in popularity. The flower is of the Comet type, very full, double, with long, twisted petals. The color is a deep cerise, like the Paul Neyron rose. Pkt. 15 cts.; large pkt. 50 cts.

WATERER'S SUPERB ASTERS, continued

Improved Victoria

We recommend this type especially for bedding. The flowers are of large size, very double, and remain in bloom a long time. 1½ feet.

	Pkt.	Large pkt.		Pkt.	Large pkt.
White	\$0 10	\$0 50	Light Blue	\$0 10	\$0 50
Salmon-Pink	10	50	Dark Blue	10	50
Sherry-Pink	10	50	Finest Mixed	10	50
Fiery Scarlet	10	50			

COLLECTION: One pkt. each of above 6 colors, 50 cts.

Heart of France

The best pure red Aster ever introduced. In any light, natural or artificial, Heart of France is startlingly beautiful and will command instant admiration. The flowers are large and full. The plants are very robust, of Branching type, and the stems are long and strong, with very few laterals. They begin to bloom quite early in the season and open fully with the midseason varieties. They retain their brilliancy and luster for a longer period than almost any other color. Pkt. 15 cts.; large pkt. 50 cts.

California Giant Aster

See Novelties and Specialties, page 4



Long-spurred Aquilegia

AQUILEGIA · Columbine

A hardy perennial of great beauty. The long-spurred type gives elegant cut-flowers. If sown in summer, plants will be ready by autumn for transplanting to the border to flower next May and June.

	Pkt.	Large pkt.
Long-spurred Hybrids. This strain includes shades of blue, mauve, lavender, pink, scarlet, orange, yellow, and white, of the large-flowered and long-spurred forms.	\$0 10	\$0 60
Long-spurred Hybrids, Mrs. Scott Elliott's Strain. See Novelties and Specialties, page 4.		
Cerulea. One of the finest varieties. Pale blue and white flowers, 2 feet.	15	75
Chrysantha. Golden yellow, 2 feet.	10	60
California hybrida. Large yellow flowers; dark orange spurs	10	60
Rose Queen. Deep rose.	25	
Double Mixed	10	25
Single Mixed	10	25

Ostrich Feather Asters

Extremely graceful Aster, with large feathery heads, similar to the Comet, but with longer and more wavy petals. 1½ feet.

	Pkt.	Large pkt.		Pkt.	Large pkt.
White	\$0 10	\$0 50	Purple	\$0 10	\$0 50
Rose	10	50	Shell-Pink	10	50
Crimson	10	50	Finest Mixed	10	40
Lavender	10	50			

COLLECTION: One pkt. each of above 6 colors, 50 cts.

Single Asters

Single Asters are becoming more popular each season. We do not know of any class of flowers more valuable for cutting. The flowers are carried on long stems, and much resemble the single Japanese chrysanthemum. Our strain has long petals and a very small center.

	Pkt.	Large pkt.		Pkt.	Large pkt.
Elegans	\$0 10	\$0 25	Elegans	\$0 10	\$0 25
Deep Blue	10	25	White	10	25
Deep Rose	10	25	Finest Mixed	10	25

Hardy Perennial Asters (Michaelmas Daisies)

Single-flowering, hardy herbaceous plants, thriving in any good garden soil.

Large-flowered, Mixed. Pkt. 10 cts.; large pkt. 40 cts.

ARGEMONEMexican or Prickly Poppy

Hybrida grandiflora. Sturdy bushes about 3 feet high; Pkt. very ornamental, pale green, spiny foliage, with clear silvery midrib and veins. The poppy-like flowers are of satiny texture, over 3 inches across, and come in various shades from rich yellow to creamy white. It starts blooming early in July and continues without interruption until November. They should have a sunny location, and it is best to sow the seed where they are intended to bloom as soon as the ground is warm, preferably in light soil. A very pretty and ornamental plant in or out of bloom. ¼ oz. 30 cts. \$0 10

ARTEMISIA

Sacrorum viride (Summer Fir). A new ornamental foliage plant from China, with pyramidal bushes 3 to 5 feet high. May be grown in groups and borders; also pretty as a pot plant. Foliage fine and of a rich dark green. Plants cultivated in the open ground may be successfully planted in pots without any interruption of their growth. Large Pkt. 30 cts. 15

ASPARAGUS

Plumosus nanus. An excellent plant for house or conservatory decoration or cutting, on account of its graceful, finely cut foliage; will remain fresh a long time after being cut. 100 seeds, \$1. 25

Sprengeri. One of the best plants to grow in hanging-baskets or window-boxes for the greenhouse in winter or for outdoors in summer. 100 seeds, 50 cts. 10

ASPERULA

Azurea (A. setosa). A splendid annual, growing about 9 inches high and covered throughout the summer with light lavender-blue, fragrant flowers; excellent for cutting. 10

BALLOON VINE

A rapid-growing annual climber that succeeds best in light soil and warm situations. Flowers white; seed-vessels look like miniature balloons. Pkt. 10 cts.; oz. 25 cts.

BAPTISIA · False Indigo

Australis. A strong-growing perennial plant about 2 feet high, Pkt. with dark green, deeply cut foliage and spikes of dark blue, pea-shaped flowers in June and July. \$0 10

BARTONIA

Aurea. A free-blooming and showy hardy annual with large yellow flowers. It is certain to please those who have not yet grown it and is worthy of much more extensive cultivation. 1½ feet. ¼ oz. 35 cts. 10

BALSAM · Lady Slipper**Double Camellia-flowered**

These favorite half-hardy annuals are of the easiest culture, but love hot sun, rich soil and plenty of water. The young plants are quick, sure growers and, from seed sown in the open ground in May,

**Double-flowered Balsam**

soon form handsome bushes 1½ feet high, thickly massed with large, rose-like flowers. Transplanting two or three times has a tendency to dwarf the plants into better shape and to make the flowers more double. Balsams are not often given room for perfect development; they will easily cover 1 to 1½ feet of space each way. For the finest flowers, choice seed is more than usually essential. We offer only the finest double sorts.

Light Yellow. Pkt. 10 cts.; large pkt. 30 cts.

Pure Scarlet. Pkt. 10 cts.; large pkt. 30 cts.

Violet. Pkt. 10 cts.; large pkt. 30 cts.

White Perfection (Alba Perfecta). Pkt. 10 cts.; large pkt. 30 cts.

Salmon King. Rich salmon-pink. Pkt. 10 cts.; large pkt. 30 cts.

Finest Mixed. Pkt. 10 cts.; ½ oz. 30 cts.

COLLECTION (Imported): Eight varieties, 75 cts.

BEGONIAS**Everblooming Bedding Varieties**

A continuous-flowering section of Begonias of the greatest value for bedding. The flowers are of brilliant colors and borne in great profusion from summer to autumn.

Gracilis, Luminosa. Large, bright scarlet flowers. Reddish brown foliage.	\$0 20
Gracilis, Prima Donna. Forms a broad, full bush with dense foliage. The flowers are a brilliant clear pink, shading to carnation-rose.	20
Dwarf Vernon. A fine sort for edgings, etc., with rich, red flowers and bronze foliage.	20
Salmon Queen. Brilliant salmon-rose; foliage dark green, with reddish hue.	30
Gloire de Chatelaine. A very attractive plant. The flowers are brilliant pink, and being a perpetual bloomer, it makes a charming bedding or house plant.	25
Semperflorens, Mixed. Dwarf; compact; very free blooming; elegant for bedding.	20

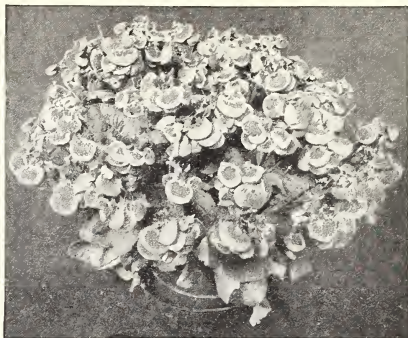
BELLIS · English Daisy

Charming spring flowers in borders. Sow in light soil in spring, and prick out or sow in August and grow in a coldframe until spring, then transplant outdoors for spring bedding purposes.

The Bride. A fine, very double, free-flowering, pure Pkt. Large pkt. white sort.	\$0 10	\$0 60
Longfellow. Large, double, pink flowers.	10	60
Snowball. Large and very double; pure white.	10	60
Giant Red. Beautiful and densely double flowers.	25	75
Giant Rose. Bright rose.	25	75
Giant White. Pure white.	25	75
Double Mixed. Selected strain of the finest quality.	10	50

BOCCONIA**Plume Poppy; Tree Celandine**

Cordata. Effective, hardy perennial, for single specimens or groups on lawns. Foliage glaucous green; bears freely spikes 2 to 3 feet long of cream-colored flowers; easily raised from Pkt. seed. 5 feet. ½ oz. 25 cts.. \$0 10

**Calceolaria****BRACHYCOME · Swan River Daisy**

Brilliant, free-flowering hardy annual, suitable for beds or borders. Cineraria-shaped blue or white flowers, 9 inches. **Mixed.** Pkt. 10 cts.; ½ oz. 25 cts.

BROWALLIA

Handsome annuals, with blue or white flowers. Fine for garden beds in summer or pot culture in winter. 1½ feet.

Speciosa major. A beautiful flowering variety of brilliant Pkt. ultramarine-blue. Does finely outside in the border or in hanging-baskets or in vases. \$0 25
Elata, Mixed. Blue and white. 10

CACALIA

Coccinea (Tassel Flower). Pretty, free-flowering, hardy annual, producing trusses of showy, tassel-like scarlet flowers. 1½ feet. ½ oz. 25 cts. 10

CALCEOLARIA

A tender perennial, used largely for the decoration of the greenhouse and conservatory.

Covent Garden Strain. Extra choice; strongly recommended Pkt. for habit, also size and markings of flowers. \$0 50

Profusa (C. Cibrani). The sprays of rich golden yellow flowers are light and graceful in habit, and are very lasting. 50

Rugosa, Mixed. Shrubby, small-flowering varieties, for bedding, of the finest colors. 15 inches. 50

**Bellis, or English Daisy**

Ball's
Orange
Calendula

CALENDULA

Pot Marigold

One of the best and showiest free-flowering annuals. Will grow in any good garden soil and produce a fine effect in beds and mixed borders. Valuable also for pot culture, blooming in the winter and early spring. 1 foot.

Ball's Orange. See Novelties and Specialties, page 4. Pkt. 25 cts.; large pkt. 60c.

Lemon Queen. Lemon-yellow. Pkt. 10 cts.; large pkt. 20 cts.; oz. 40 cts.

Meteor. Yellow, striped orange. Pkt. 10 cts.; large pkt. 20 cts.; oz. 40 cts.

Orange King. Dark orange-red. Pkt. 10c.; large pkt. 20c.; oz. 40c.
Prince of Orange. Orange, slightly striped with yellow. Pkt. 10c.; large pkt. 20c.; oz. 40c.
Mixed. Pkt. 10c.; oz. 30 cts.

CALLIOPSIS, or COREOPSIS

Blooms from June until frost. It grows 2 to 3 feet high, branches freely, and has long, very flower stems crowned with lovely clusters of small daisy-like flowers in beautiful shades of crimson, orange, and gold. Seeds may be sown in the garden in May and the young plants transplanted from 10 to 12 inches apart. For early flowers, sow seed in the hotbed or coldframe in March and April.

Beauty. Dwarf, compact plants, about 8 inches high, covered Pkt. with golden yellow flowers, having crimson center. Fine for pots or borders. \$0 15

Crimson King. Rich dark crimson. 6 inches. \$0 15

Golden Wave (C. Drummond). A very showy sort with large yellow flowers, having dark brown center. 1½ feet. 10

Lanceolata grandiflora (Harvest Moon). One of the grandest perennial plants. Fine in masses or as cut-flowers. The individual blooms are very large and of the richest golden yellow. 1½ oz. 25 cts. 10

Marmorata. Bright golden yellow flowers, marbled with wallflower-red. 2 feet. 10

Nana radiata (Tiger Star). Rich bronze, striped and mottled yellow. 15

Nigra speciosa. Rich crimson-maroon. 2 feet. 1½ oz. 25 cts. 10

Tinctoria. Another showy variety, the large flowers being bright yellow and maroon, about evenly divided. 2 feet. 1½ oz. 25 cts. 10

Mixed. All the choicest sorts. 1 to 2 feet. 10

CANARY-BIRD VINE

(*Tropaeolum canariense*)

A rapid-growing, climbing annual, producing an abundance of pretty, fringed, bright yellow flowers, bearing a fancied resemblance to a bird with wings expanded. Pkt. 10 cts.; oz. 40 cts.



Giant Hyacinth-flowered Candytuft

CAMPANULA · Canterbury Bells

Biennial Varieties

Sow these hardy biennials in summer and transplant to a bed in autumn for flowering the following year. They also make effective pot plants for spring flowering, if sown in summer, potted in autumn, and kept in a cool frame through winter.

Medium-calycanthema (Cup-and-Saucer Canterbury Bells). This is the finest type of this old-fashioned and much-prized garden plant. Pkt. Large pkt.

Rose. Delicate rose-pink. \$0 10 \$0 50

Blue. A fine, clear shade. 10 50

White. Pure white. 10 50

Lilac. Very fine. 10 50

Mixed. 10 40

Single Varieties

Rose Blue
White Mixed

Pkt. 10 cts.; large pkt. 25 cts.

Double Mixed. Pkt. 10 cts.; large pkt. 40 cts.

CAMPANULA

Bellflower

Perennial Varieties

Bell-shaped flowers, well known and easily grown; useful for flower border, shrubbery, or wild garden.

Carpatia (Carpathian Harebell). Free-flowering, continuing in bloom the whole season; blue. 6 inches. Pkt. 10 cts.

Carpatia alba. The white-flowered form of the above. Pkt. 10 cts.

Persicifolia grandiflora (Peach Bells). One of the finest hardy Bellflowers. Grows 2 to 3 feet high; large blue flowers. Pkt. 15 cts.

Persicifolia alba (White-flowered Peach Bell). Pkt. 15 cts.

Pyramidalis (Chimney Bellflower). A beautiful, stately plant for garden or pot culture; blue flowers. Pkt. 10 cts.

Pyramidalis alba. Pure white flowers. Pkt. 10 cts.

CANDYTUFT

Iberis

The Candytufts are among our best hardy annuals for edgings, bedding, massing, rockeries, or for cutting. Several of the varieties are fragrant and all are profuse in bloom. Sow outdoors in April, and thin well when the plants grow about an inch. Sow again in a month, and late in July for fall flowers. Give rich soil and water freely.

Annual Varieties

Giant Hyacinth-flowered. Immense, pure white Pkt. Oz.
spikes. 1½ oz. 20 cts. \$0 10 \$0 60

Empress. Large-flowered white sort. 10 40

Carmine. Bright carmine-rose. 10 40

Crimson. Rich, deep shade. 10 40

Lavender. Delicate shade of rosy lavender. 10 40

Pink-Flesh. Fine delicate tint. 10 50

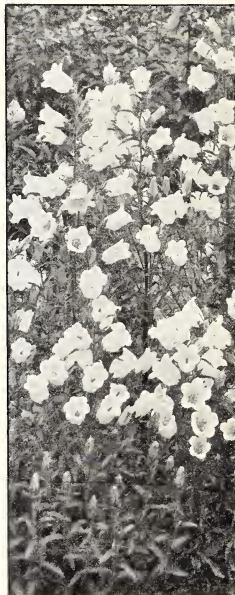
Finest Mixed. All colors. 10 30

Perennial Varieties

Hardy evergreen plants, making a magnificent showing the second year from seed. They bloom very early, cushioning rock ledges, borders, etc., with banks of bloom. Sow outdoors in spring or fall in any sunny place.

Sempervivens. A profuse white-blooming hardy perennial. Pkt. coming in flower early in the spring; much used for rockeries, etc. \$0 15

Gibraltarica. Lilac flowers, shading white; very fine. 15



Campanula Medium

CARNATION

The varieties we list here are best treated as annuals, although they will live over winter and flower again next season by giving slight protection with leaves or straw. From seeds sown in early spring, plants begin blooming in July or August, and continue until frost.

	Pkt.	Large pkt.		Pkt.	Large pkt.
Marguerite	\$0 10	\$0 50	Scarlet	\$0 10	\$0 50
Pure White	10	50	Deep Crimson	10	50
Yellow	10	50	Choice Mixed	10	30
Giant Marguerite. An improved strain, producing flowers of immense size. Mixed colors.....	10	50			
Chabaud's Everblooming. Blooms in five months after being sown, and continues to flower in the greatest profusion indefinitely. Mixed colors.....	15				

CARDINAL CLIMBER

A beautiful annual vine of rapid growth. The cardinal-red flowers resemble those of the cypress vine, but are much larger, and are produced in great quantities continuously through the summer. Splendid for covering stumps and trellises. 20 to 30 feet. Pkt. 15 cts.

CINERARIA HYBRIDA

Our strains of this showy greenhouse plant are of acknowledged superiority, the very choicest from a prize European collection of only the best colors.

Waterer's Prize Dwarf. Dwarf, compact plants not over a foot high, with immense heads of large individual flowers in a great range of beautiful colors. Pkt. 50 cts.

Waterer's Prize Tall. Extra-fine colors, with plenty of selfs and various shades of rose. Pkt. 50 cts.

Matchless. Very fine strain; contains many new colors; vigorous and compact growth. Pkt. 75 cts.

Matador. Fine glowing scarlet. Pkt. 50 cts.

Grandiflora, Stella. Twisted or fluted petals like a single cactus dahlia. Pkt. 50 cts.

Multiflora nana. This new variety is the dwarfest and most compact type; flowers of good size and produced in great profusion. An excellent pot plant. Mixed colors, pkt. 50 cts.

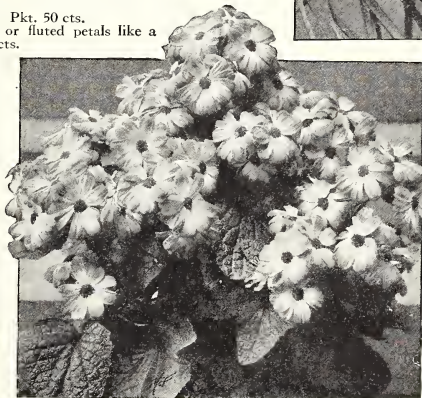
Stellata, Feltham Beauty. A great improvement on the old variety. Beautiful mixture of many colors. Pkt. 50 cts.

**White-leaved
Cineraria
Dusty Miller**

Maritima candidissima. These as well as the white-leaved Centaureas, are called "Dusty Millers." Fine for bedding, ribbon beds and margins; prized for their beautiful, downy, silvery foliage. They are half-hardy perennials, but should be treated as annuals. 2 feet. Pkt. 10c.; ½ oz. 25c.



Celosia plumosa Childsi (Woolflower)



Cineraria hybrida



Marguerite Carnations

CELOSIA

The dwarf Cockscorns are showy in the border, while the feathered or plumed varieties are especially attractive in large beds, and are useful for cutting. The flowers retain their color, even when dry, and can be used in winter bouquets.

**Celosia cristata
Cockscorn**

Crimson Exhibition. From prize flowers and enormous combs. Pkt. 10 cts.

Empress. Bright crimson, rich and velvety. Pkt. 10 cts.

**Celosia plumosa
Feathered Celosia**

There are no more showy summer and fall bedding plants than the plumed Celosias. Planted in masses, the color effect is magnificent. The handsome plants are symmetrical in growth, averaging 2 feet in height, every branch bearing a pointed head or plume of richly colored bloom, which, when fully developed in the fall, is supremely gorgeous.

Thompson's Superb. About 2½ feet in height, with a feathery plume of the Pkt. most brilliant red..... \$0 10

Thompsoni magnifica. Colors range from the clearest yellow to the darkest blood-red..... 10

Deep Golden Yellow..... 10

Pride of Castle Gould. Mixed..... 15

Plumosa. Finest mixed..... ½ oz. 25 cts. 10

Chrysanthiflora. (New.) Impense round heads of flowers, in a great variety of colors, including salmon-pink and bronze..... 15

Celosia plumosa Childsi (Chinese Woolflower)

The most unusual type of Feathered Celosia, attaining a height of from 2 to 3 feet. There are many branches issuing from the main stalk, each stem having the silky tendrils common to Celosia. The striking feature of this variety is that at the tips they have a bushy appearance.

Crimson..... Pkt. \$0 15

Pink. Beautiful shade of salmon-pink..... 15

Yellow..... 15

Mixed..... 10



Centaurea cyanus

VARIOUS CENTAUREAS

- Americana** (Basket Flower). A splendid native variety, growing Pkt. 3 feet high and bearing immense, thistle-like blooms of a rosy lavender color. Very showy in the mixed border and splendid for cutting. \$0 10
- Suaveolens** (Yellow Sweet Sultan, or Grecian Cornflower). Very showy, large bright yellow flowers; sweetly scented. 10

WHITE-LEAVED CENTAUREAS • Dusty Millers

Fine for bedding, vases and pots; also extensively used for borders or edgings.

- Candidissima**. Silvery white; leaves broadly cut; 1 foot. Pkt. 500 seeds, 30 cts. \$0 10
- Gymnocarpa**. Fine-cut silvery foliage; 1½ feet. 500 seeds, 20 cts. 10

CERASTIUM • Snow-in-Summer

- Tomentosum**. A hardy perennial, valuable for edgings and rockeries; silvery foliage; white flowers. 10

CHEIRANTHUS • Wallflower

- Allionii** (Siberian Wallflower). A very pretty biennial growing about 1 foot high, with heads of brilliant orange flowers from May to mid-summer. Effective in the rockery. Blooms the first year from seed. 10



Annual Chrysanthemums

CENTAUREA

The various varieties of this popular annual include such favorites as the Bachelor's Buttons, or Cornflowers, and Sweet Sultans, old-fashioned flowers of easiest culture.

CORNFLOWER (*Centaurea cyanus*)

Also known as Bachelor's Button, Blue, Ragged Sailor, and Bluebottle. Extremely showy in the garden and fine for cutting. They are easy to grow, take care of themselves, bloom continuously, and even come up again the next year from the seed that has dropped in the ground.

	Pkt.	Large pkt.		Pkt.	Large pkt.
Double White.	\$0 10	\$0 25	Double Rose-Pink.	\$0 10	\$0 25
Double Blue.	10	25	Finest Double, Mixed.	10	25

GIANT SWEET SULTANS (*Centaurea imperialis*)

These are wonderful flowers for cutting—long-stemmed, exquisitely fringed, most graceful in appearance, and delightfully fragrant. The most beautiful colors are found among them. Easy to grow and the most thankful annual we know of, flowering freely from June until frost. For fine flowers, successive sowings should be made two weeks apart during May and June. They do well in a rich, loose soil and will amply repay you for any trouble you go to in the preparation of the bed.

Cover seeds ¼ inch. 2 to 3 feet. Pkt. Large pkt.

White.	\$0 10	\$0 30
Purple.	10	30
Rose.	10	30
Brilliant Rose.	10	30
Delicate Lilac.	10	30
Deep Lavender.	10	30
Choice Mixed.	10	25

COLLECTION:
One pkt. each
of above 6 colors,
50 cts.



Centaurea imperialis

CHRYSANTHEMUMS

Annual Varieties

Do not confound these annuals with the winter-flowering sorts of the florists. They bloom profusely from early summer until frost, and, when grown in large beds or masses, their bright colors make a splendid show. The plants can be brought into bloom early by sowing the seeds in frames or window-boxes, and afterward transplanting to the garden; or seed may be sown where the plants are to flower, if the seedlings are thinned to 8 to 10 inches apart. Pinching back in early growth makes the plants bushy and shapely. 1 to 1½ feet.

- Evening Star**. Large, golden yellow flowers, 3 inches across; excellent for Pkt. cutting. ¼ oz. 25 cts. \$0 10
- Morning Star**. Petals canary-yellow, with halo of deeper yellow; disc dark yellow. ¼ oz. 25 cts. 10
- Inodorum, Snowball**. Double white flowers which are produced from mid-summer till frost. Fine for cutting. 10
- Coronarium, Double, Mixed**. Yellow, White, etc. ½ oz. 50 cts. 10
- Single, Mixed** (Painted Daisies) ½ oz. 40 cts. 10

Perennial Varieties

- Shasta Daisy**. A perennial variety with large white flowers on long stalks. When sown very early under protection the flowers often appear before summer is over. 10
- King Edward VII**. Single. A splendid large-flowered variety. The flowers are pure white and borne on long stiff stalks well above the foliage. 10



Giant Cosmos



Double Cosmos

COSMOS

One of the notable fall flowers. A strong, tall-growing annual, with bold flowers of exquisite daintiness and airiness heightened in effect by their foliage setting of feathery green. It is most effective when planted in broad masses or long background borders against evergreens or fences. We offer only the choice, large-flowering strains.

Giant Late-Flowering

A magnificent strain. The individual flowers are of enormous size and the most perfect form, while the colors are richly brilliant. These represent the highest developed types in Cosmos. Will keep a week in water after being cut.

	Pkt.	Large pkt.	Oz.
Pink Lady Lenox.....	\$0 10	\$0 25	\$0 50
White Lady Lenox.....	10	25	50
Crimson.....	10	25	50
Mixed.....	10	25	40
Klondyke. Golden yellow.	10	30	

Giant Early-Flowering

An extra-select strain, combining extreme earliness with great vigor and unusual size of flowers. Commences to bloom in July and continues until cut down by frost. The flowers often measure 4 inches across. 5 feet.

	Pkt.	Large pkt.	Oz.
White.....	\$0 10	\$0 25	\$0 60
Pink.....	10	25	60
Crimson.....	10	25	60
Mixed.....	10	25	50

Double Early-Flowering Cosmos

An extra-early strain of the Double Crested which is just as beautiful as the late, and comes into flower as early as the Extra-Early Singles. Highly recommended.

	Pkt.
Carnelia. Crimson.....	\$0 25
Peach Blossom. Pink.....	25
Whirlwind. White.....	25
Mixed.....	25

Double Late-Flowering Cosmos

These beautiful new Cosmos are most striking in color. A large percentage come true from seed, both as to color and doubleness. The singles which the strain produces are also very beautiful.

	Pkt.
Pink Beauty, White Queen, Crimson Queen.....	\$0 15
Double Mixed.....	15

CLARKIA

Elegans. Our double Clarkias are very fine, and can be grown successfully in any garden soil. They flower profusely, on long stems, and are exceedingly bright and attractive, especially in masses. Clarkias have become very popular of late and are grown extensively in the greenhouse during the winter. 2 to 2½ feet.

	Pkt.	Large pkt.
Double Brilliant. Rich crimson-scarlet.....	\$0 10	\$0 25
Double Salmon Queen. Salmon-pink.....	10	25
Double Scarlet Queen. Brilliant orange-scarlet.....	10	25
Double White. Pure white.....	10	25
Double Mixed.....	10	20

COBÆA

Scandens. Popular climber of rapid growth. Large, purple, Pkt. bell-shaped flowers appear in great profusion during the fall months. 20 feet..... ½ oz. 25 cts. \$0 10

candens alba. Pure white..... 10



Cleome, or Spider Flower

CLEOME

Giant Spider Flower

Pungens, Rose Queen. A quick-growing annual with large, curious flowerheads of a bright rose color, on stems 4 feet tall. The individual flowers hang gracefully on slender thread-like stems resembling spiders' legs. Pkt. 10 cts.

CONVOLVULUS · Morning-Glory

Dwarf (*Convolvulus minor*)

Remarkably showy plants, with exceedingly handsome rich-colored flowers, producing an unusually brilliant effect in beds and mixed borders. **Finest Mixed.** 1 foot. Pkt. 10 cts.; oz. 25 cts.

Climbing (*Convolvulus major*)

Splendid for covering wire trellises, arbors, and verandas. **Single.** All colors mixed. Pkt. 5 cts.; oz. 20 cts.

COLEUS

Beautiful foliage plants, both for greenhouses and bedding out in the garden. The striking colors and brilliant variegated leaves are much admired.

Finest Mixed. Great range of colors. Pkt. 50 cts.
Large-leaved, Mixed. Very large and superbly variegated foliage. Pkt. 50 cts.

CYPRESS VINE (*Ipomœa quamoclit*)

One of the most beautiful climbers, with light, graceful, delicate foliage and bright flowers. 15 feet.

	Pkt.	Oz.
White.....	\$0 10	\$0 50
Mixed. White and Scarlet.....	10	40



Cyclamen gigantum

saved from a very fine collection. Pkt. 15 cts.

- Giant Peony-flowered, Mixed.** Saved from finest blooms. Pkt. \$0 15
Collarette. A novel type, having a row of petals around the disc, like a frill or collar, and which is of a different color than the regular petals. Mixed colors. 15
Single Mixed. Large, showy flowers. 10
Single Giant Perfection. Flowers of immense size, averaging 6 inches across. Finest mixed. 10

DATURA • Trumpet Flower

Ornamental annuals of rapid growth, with large, trumpet-shaped, fragrant flowers. 3 feet. Pkt.

- Cornucopia** (Horn of Plenty). Flowers white inside, purple outside. \$0 10
Fastuosa Huberiana. Large, double flowers of various colors. 10

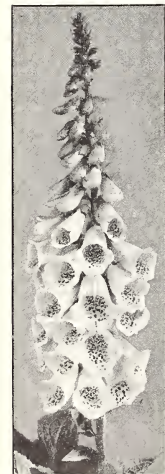
DELPHINIUM • Perennial Larkspur

The tall, stately flower-spikes of the Delphinium rise to a height of 5 to 6 feet and supply the garden with a wealth of pale blue, azure-blue, gentian-blue, sapphire, and royal purple hues. They are effective in all situations and demand rich, deeply cultivated soil and considerable moisture. If flower-spikes are cut when through blooming others will replace them.

Gold Medal Hybrids. Choicest mixture. All shades of blue from best-named varieties only. Pkt. 1/2 oz. 60 cts. \$0 15

- Belladonna.** Clear turquoise-blue. 25
Belladonna, Cliveden Beauty. A great improvement on original variety. 25
Belladonna, Fanny Stormouth. Light azure-blue; very large. 25
Bellamosum. A deep blue form of the popular Belladonna. 25
Cardinal. Bright scarlet, with yellow center. 25
Chinese. A distinct and neat variety, growing about 1 1/2 feet high, with fine feathery foliage, and producing freely spikes of large blossoms of intense gentian-blue. 10
Chinese album. The white-flowered form of the preceding. 10
Chinese, Azure Fairy. Azure-blue. 10
Formosum. Splendid dark blue flowers with a white center. 15
Formosum, ceriseum. Very beautiful, large, pale blue flowers with white center. 15
Elatum hybridum fl.-pl. Double varieties; finest mixed. 15

New Large-flowered Hybrids. See Novelties and Specialties, page 4.



Digitalis, Shirley

DIGITALIS • Foxglove

Showy, hardy perennials of easy culture. As a background in a shrubbery, or as specimen plants in large beds, they are equally striking and effective. Sow in July for strong flowering plants the following season. Pkt.

- Spotted Varieties.** A superb mixture, containing a wonderful range of colors. \$0 10
Monstroza. Long spikes, surmounted by one enormous flower. All colors mixed. 10
Gloxiniæflora. Large, spotted, gloxinia-like flowers, produced on long spikes. Purple, White, Rose, and Mixed. Each, 10
Shirley Strain. A new strain of giant Foxglove, raised by the late Rev. W. Wilks. The plants attain a height of 5 to 7 feet, with spikes 3 to 4 feet long carrying flowers of giant size, ranging in color from white to dark rose and handsomely blotched and spotted cream, maroon and chocolate. 15

CYCLAMEN

Giganteum. The very choicest strain of this beautiful flower obtainable.

	Pkt.	100 sds.		Pkt.	100 sds.
Blood-Red.	\$0 50	\$2 50	Vulcan. Deepest red.	\$0 50	\$2 50
Bright Rose.	50	2 50	White, with Dark Eye.	50	2 50
Salmon King. Salmon-pink. Very fine.	50	2 50	White Swan. Pure white	50	2 50
			Finest Mixed.	40	2 00

Butterfly (Papilio or Victoria). Very large flowers with fringed and fluted petals. Pkt. \$0 50
Cherry Ripe. The brightest red Cyclamen in cultivation. 75
Mrs. Buckston. A real salmon shade—a lovely tint. 75
Pink Pearl. A lovely pale salmon. 75

DAHLIAS

These half-hardy perennials are very easily grown from seed, all classes coming quite true and supplying magnificent colors. In the garden these seedling Dahlias bloom as early and freely as the plants grown from tubers. The seed we offer has been saved from a superb collection of the finest-named varieties. Half-hardy perennial.

Coltess Hybrids. See Novelties and Specialties, page 4.

Double Cactus-flowered, Finest Mixed. Pkt. 25 cts.

Giant Decorative. Beautiful flowers, varying in form between the Show and the Cactus Dahlias. Pkt. \$0 15



Delphiniums, Gold Medal Hybrids

DIANTHUS · Pinks

In this large and greatly varied genus are some of our most beautiful and best-loved flowers, unsurpassed for color and fragrance. They are hardy biennials that bloom finely the first season, remaining green all winter and blooming the next year also, if lightly protected. Old plants flower the earliest, but as young ones give the largest, finest flowers, sowings are made every year. Seed may be sown in the open in early spring when the danger of frost is past and if the situation is open and the ground is well prepared, they will flower luxuriantly in a few weeks' time and continue until hard frost. For best results seedlings should be thinned out to have plants stand 6 inches apart. They average 1 foot in height and are splendid for borders and for cutting. The double-flowering varieties are quite as fine as carnations for cutting.

Hardy Garden Pinks

These form low, bushy, tufted plants, above which are produced, on long stems, the beautiful fringed and fragrant flowers so valued in old-fashioned gardens.

Allwoodi. See Novelties and Specialties, page 4	Pkt.	\$0 50
Plumarius, Single Mixed (Pheasant's-Eye Pink). Large, single, fringed flowers, beautifully marked in many colors	Pkt.	10
Plumarius fl.-pl. (Double Hardy Garden Pinks). Double and semi-double varieties in beautiful colors	Pkt.	15
Semperflorens (Everblooming Hardy Garden Pinks). Very beautiful, sweet-scented, double, semi-double, and single flowers in great diversity of color	Pkt.	25
Cæsius (Cheddar Pink). A splendid rock-plant, forming dense tufts 3 inches high and bearing bright rosy pink flowers in May and June	Pkt.	15

Double Annual Pinks

Chinensis fl.-pl. (China, or Indian Pink). Blooms in clusters; flowers very double and in a large range of bright colors	Pkt.	10
Diadematis fl.-pl. (Double Diadem Pink). Beautiful double flowers of various tints of lilac, crimson, and purple; outer edges fringed	Pkt.	10
Fireball. Extra-double brilliant dark scarlet; very beautiful	Pkt.	10
Laciniatus fl.-pl. (Double Fringed Pink). Large, double flowers, in a great variety of colors; edges fringed	Pkt.	10
Lucifer. Brilliant orange-scarlet flowers measuring about 2 inches across; very dazzling and popular variety; nicely fringed	Pkt.	10
Mirabilis fl.-pl. (Double Marvelous Pink). Large, fringed, Pkt. double flowers on long, stiff stems, the colors ranging from pure white through all the shades of rose to dark crimson	Pkt.	\$0 10
Mourning Cloak. Flowers very dark velvety crimson, each petal being strikingly edged white	Pkt.	10

COLLECTION: One pkt. each of above 10 varieties, 85 cts.

Single Annual Pinks

These single sorts contain many beautiful varieties, the flowers of which often measure 2 to 3 inches in diameter. They are very effective for borders or beds. 1 foot.	Pkt.	
Crimson Belle. Rich crimson	Pkt.	\$0 10
Eastern Queen. Flowers delicately marbled rose and mauve	Pkt.	10
Heddwig (Single Japan Pink). Finest selected single-flowered varieties, mixed	Pkt.	10
Laciniatus (Single Fringed Pink). The fringed flowers come in a great variety of colors	Pkt.	10
Nobilis (Royal Pink). Improved varieties of the single-flowering Japan Pink. The colors vary from white to dark red	Pkt.	10

COLLECTION: One pkt. each of above 8 varieties, 65 cts.



Types of Hardy Garden Pinks

Salmon King. Brilliant salmon-rose	Pkt.	\$0 10
Snowdrift. Large, double, white flowers; excellent for border or cutting	Pkt.	10
Violet Queen. Rich violet, an unusual shade	Pkt.	10



Dimorphotheca aurantiaca

DIMORPHOTHECA · African Daisy

Only recently introduced from South Africa, the plant has become instantly popular. Rather dwarf in growth (12 to 15 inches high), the foliage remains nestled to the ground, while the innumerable flower-stems appear continuously all summer. Thin and wiry they hold erect a daisy-like flower, with very narrow, long petals, which curve upward, thereby giving the flower a most interesting appearance. The flowers, both in the garden and when cut, will close up toward evening and reopen freshly the next morning. Seeds can be sown outdoors, as it flowers very quickly and remains a blaze of bloom until frost. It delights in sunny situations. 1 foot.

Aurantiaca. Golden orange with dark disc	Pkt.	\$0 10
Aurantiaca Hybrids. Varying in colors from white to blush-white, lemon-yellow to reddish yellow, pale salmon to golden orange	Pkt.	10

Eklonis. See Novelties and Specialties, page 4.

DIDISCUS

Carerulea (Blue Lace Flower). This pretty and interesting annual blooms most profusely from July till November; also used extensively for early spring flowering in a cool greenhouse; their exquisite pale lavender blossoms are excellent for cutting; plants grow about 1½ feet high, and have as many as fifty flowers open at one time. Large pkt. 60 cts., pkt. 15 cts.

DOLICHOS · Hyacinth Bean

A rapid-growing annual climber, bearing large, handsome foliage and bright flowers, followed by curiously bean-shaped pods.

Darkness. Stems and under sides of foliage purplish red. The numerous spikes of Pkt. reddish purple, pea-like flowers are succeeded by showy seed-pods. 8 to 10 feet	Pkt.	\$0 10
Daylight. Covered with pure white flowers from the ground up; ornamental white pods. 8 to 10 feet	Pkt.	10

DRACÆNA
Ornamental greenhouse plants; fine for pots, vases, or beds; green leaves.

Indivisa. Narrow leaves	Pkt.	½ oz.	\$0 25
Australis. Broad leaves	Pkt.	10	30

ESCHSCHOLTZIA • California Poppy

A very interesting and popular annual, readily grown from seed sown outdoors in May in the spot where they are wanted and simply thinned out. The beautiful lace-like foliage covers the entire growth a foot high and has a silvery sheen. The cone-shaped poppy flowers appear on fairly long stems from June until frost without interruption. If the flowers are cut early in the morning while they are closed-up buds, they will last fully two days in water and lend themselves most artistically to decorative uses.

Eschscholtzia



	Pkt.	1/2 oz.
California aurantiaca. Rich orange.....	\$0 10	\$0 25
The Geisha. The prettily fluted petals are brilliant golden on the inside and intense orange-crimson on the outside.....	10	35
Golden West. Yellow, with orange center.....	10	25
Mandarin. Inside of petals orange, outside scarlet.....	10	25
Mauve Beauty. Pure mauve.....	15	75
Rosy Queen. Soft flesh-pink.....	10	25
Scarlet Beauty. Vivid, deep, even scarlet.....	10	25
Vesuvius. Wallflower-red.....	10	30

COLLECTION: One pkt. each of above 8 varieties, 75 cts.

Mixed. Rich shades of Crimson, Pink, and Orange-Scarlet.....	1/2 oz. 30 cts.	\$0 10
Hybrid Mixed. New, large-flowering, erect type, containing a large percentage of new colors in Eschscholtzias, including Soft Pink, Scarlet, Chrome, Copper-red, Claret and Royal Purple.....	1/2 oz. 35 cts.	10

ECHINOCYSTIS • Wild Cucumber

Lobata. One of the quickest-growing annual vines we know of. Splendid for covering trellises, old trees, fences, etc. Clean, bright green foliage and sprays of white flowers in July and August..... 1/2 oz. 30 cts. | 10 |

EUPHORBIA

Plants with ornamental foliage; very showy and easily raised from seed.

Variegata (Snow-on-the-Mountain). Elegant, bushy plants, with broad green leaves veined and margined with white. Attractive in foliage groups and among flowers. 2 feet.....	1/2 oz. 25 cts.	10
Heterophylla (Annual Poinsettia, or Mexican Fire-Plant). An annual, bushy plant, with highly ornamental leaves, which in summer and autumn become dark fiery scarlet. 2 to 3 feet.....		10

ERYSIMUM • Fairy Wallflower

Perofskianum. A pretty annual, growing about 1 1/2 feet high, bearing throughout the summer dense racemes of brilliant orange-yellow wallflower-like flowers—a rather unusual color in annuals. It is of the simplest culture. Sow the seed in the open ground in spring and give it a sunny position..... Pkt. 10 cts.; large pkt. 25 cts. | \$0 10 |

EUPATORIUM

A fine hardy perennial, which will grow and thrive in almost any situation; blooms the first season from seed if sown early; excellent for cutting. 2 feet.

Fraseri. Feathery white flowers. Pkt. 10 cts.; large pkt. 25 cts.

GAILLARDIA • Blanket Flower**PERENNIAL VARIETIES**

Showy and handsome hardy perennials for beds and borders. The flowers are a most peculiar combination of shades, varying between gold and maroon. Sow in summer in drills, transplanting to permanent positions during autumn.

Grandiflora. Flowers maroon and orange, 3 to 4 inches across. 2 feet.....	Pkt. \$0 10
Grandiflora compacta. Compact; rich and varied.....	10
Grandiflora, Dazzler. See Novelties and Specialties, page 4	

ANNUAL VARIETIES

An exceedingly popular and showy annual, producing throughout the summer an abundance of large, handsome flowers of various colors.

Amblyodon. Large, single, salmon-red flowers, deep crimson centers; Pkt. very showy and fine for cutting. 2 feet.....	\$0 15
Picta. Single-flowered. Fine mixture of colors. 1 foot.....	1/2 oz. 25 cts. 10
Lorenziana, Double, Finest Mixed. Beautiful colors, flowering all summer. Fine for bedding or cutting. 1 1/2 feet.....	1/2 oz. 30 cts. 10
Lorenziana, The Bride. White, double; fine for cutting.....	15

GENTIANA • Blue Gentian

Acaulis. A dwarf, hardy perennial; deep blue flowers; moist, shady situations. Pkt. 10 cts.; large pkt. 40 cts.

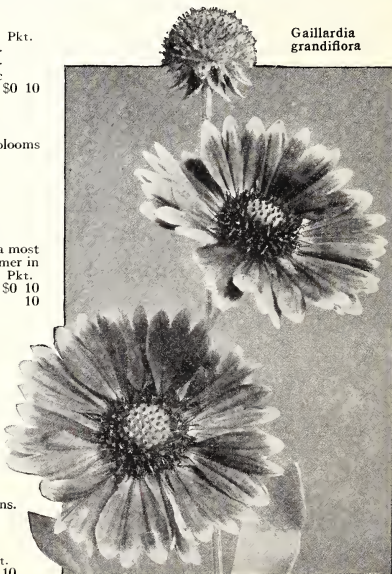
GEUM

Hardy perennial, with large, double, dark crimson flowers all summer. Pkt. \$0 10	
Mrs. J. Bradshaw. Brightest scarlet. The nearly double flowers are borne on strong stems and measure 2 1/2 to 3 inches across, with large, waved petals of great substance.....	15
Lady Stratheden. Fine double yellow flowers.....	25

GLOXINIA

Hybrida grandiflora. An unsurpassed strain, containing the spotted hybrids as well as the finest self-colored sorts..... 50 |

Gaillardia grandiflora

**GLOBE AMARANTH****Gomphrena**

Sometimes called "Bachelor's Buttons." Popular bedding plants; flowers resemble clover-heads and can be dried and used in winter bouquets. 2 feet. **Pink, White, Purple,** and **Mixed**, each, pkt. 10c.; large pkt. 25c.

GODETIA

An attractive hardy annual, deserving more extensive cultivation. The plants bloom profusely and bear showy flowers of satiny texture in many rich and varied colors. 1 foot.

Crimson Glow. Forms a compact little bush about Pkt. 1/2 oz.		
9 inches in height, completely smothered with flowers of the most dazzling crimson.....	\$0 10	\$0 75
Duchess of Albany. Satiny white.....	10	30
Gloriosa. Darkest red.....	10	30
Rosamond. Dwarf habit; large shell-pink flowers; makes a beautiful border.....	10	30
Schwartzii, Rosy Morn. This is a lovely coral-pink, and the flowers are very double. Excellent for cutting and very free flowering.....	20	
Mixed. All colors.....	10	25

ORNAMENTAL GOURDS

Gourds grow luxuriantly and are useful for covering arbors, fences, etc. The fruits they bear are very ornamental and keep well. 15 to 20 feet.

	Pkt.	Large pkt.
Apple-shaped	\$0 10	\$0 25
Bottle-shaped	10	25
Dipper-shaped, or Calabash	10	25
Luffa (Dish-rag)	10	25
Egg-shaped	10	25
Hercules' Club	10	25
Orange-shaped (Mock Orange)	10	25
Pear-shaped	10	25
Fine Mixed	10	25

IMPORTED COLLECTION: Twelve varieties, 75 cts.

GREVILLEA · Silk Oak

Robusta. Really a greenhouse plant, but can be successfully grown as an annual. It is a neat little shrub, with delicate fernlike foliage. Very useful for table decoration and in foliage groups. Pkt. 10 cts.

GYPHOPHILA · Baby's Breath

Feathery panicles of tiny star-shaped flowers, gracefully and daintily borne on slender stems. A charming effect may be had by mixing sprays of Baby's Breath with other long-stemmed cut-flowers.

Elegans alba grandiflora. This is an improved, large-flowering, pure white form of the annual Baby's Breath, of free, easy growth. Several sowings should be made during the season to keep up a supply.....	1/2 oz. 25 cts.	\$0 10
Elegans rosea. A pretty blush-pink form of the above and equally as valuable for cutting.....	1/2 oz. 30 cts.	10
Muralis. A lovely little rock or edging plant with rose-pink flowers.....	1/2 oz. 30 cts.	10
Paniculata. One of the favorite hardy perennials. White flowers; fine for bouquets. Blooms first year if sown early. 2 feet.....	1/2 oz. 25 cts.	10
Paniculata fl.-pl. The double-flowering Baby's Breath, and one of the finest hardy plants for cutting.....		25
Paniculata fl.-pl., Snow-White. See Novelties and Specialties, page 5.		



Gypsophila paniculata (Baby's Breath)

GRASSES · Ornamental

For borders and ornamental gardening; also, when dried, for winter bouquets and decorations.

Pennisetum longistylum. Annual. Graceful, greenish Pkt. white plumes; fine for beds or dried bouquets. 2 feet.....	Large pkt. 25 cts., \$0 10
Pennisetum Ruppeli (Purple Fountain Grass). Annual. Excellent for beds or for dried bouquets; purple plumes. 3 feet.....	Large pkt. 25 cts., 10

IMPORTED COLLECTION: Twelve varieties, 75 cts.

HELENIUM

A hardy and beautiful perennial, producing a large quantity of long-stemmed yellow flowers with black centers; very suitable for cutting. In bloom from July to October. 2 to 3 feet. Pkt.

Bigelowii. Golden yellow, with black center.....	\$0 25
Riverton Gem. Orange-yellow, dark center.....	25



Helichrysum

HELICHRYSUM · Straw Flower

One of the best of the "Everlastings." They succeed in any good garden soil. The large, double flowers of rich, glittering colors make a fine display in beds or borders, but are especially grown to dry for winter use in baskets, vases, etc. When grown for winter use, they should be cut when the flowers are about one-third open, but with as long stems as possible; take off all foliage, tie in bunches, and hang head downward in some dark, dry place until the stems are thoroughly dry. Our seeds are of the Monstrota or large-flowering type, which insures you an abundance of large, double flowers of the most brilliant colors. Helichrysum should be planted 12 to 15 inches apart, to give them plenty of room to develop.

	Pkt.	Large pkt.
Double Salmon-Pink	\$0 10	\$0 30
Double Fireball. Bright red.....	10	30
Double Golden Ball. Yellow.....	10	30
Double Rose Queen. Old-rose.....	10	30
Double Silver Ball. White.....	10	30
Double Violet Queen. Rich color.....	10	30
Double Mixed. All colors.....	10	25

COLLECTION: One pkt. each of above 6 colors, 50 cts.



Heliotrope

HOLLYHOCK

A hardy perennial of upright, stately growth, 5 to 8 feet high. The very double varieties are the most desirable, but the newer, semi-double, fringed types are also very popular. Hollyhocks make a fine row in a garden, or a fine background next to a building or high wall or fence.

	Pkt.	Large pkt.
Chater's Double White.....	\$0 10	\$0 40
Chater's Double Scarlet.....	10	40
Chater's Double Sulphur-Yellow....	10	40
Chater's Double Bright Rose.....	10	40
Chater's Double Salmon-Rose.....	10	40
Chater's Double Maroon.....	10	40
COLLECTION: Six colors, 50 cts.		
Chater's Finest Mixed.....	10	30

Queen of Sheba. A unique color in Pkt. the highly perfected class of Chater's Double Hollyhocks. The very double and finely formed flowers of this superb variety are of a beautiful primrose-buff hue, with rosy reflection—a lovely and most effective coloring. \$0 25

Double Exquisite. (New.) Fringed like a double petunia, each white-margined petal is adorned with large blotch of various colors from rose to purple..... 35

Double Pink Queen. Very pretty salmon-pink; full double flowers.... 25

Double Newport Pink. The very double flowers are pure pink..... 10

Mammoth Fringed, Allegheny. Enormous flowers, measuring 5 inches across, in splendid rich colors; petals beautifully laced and fringed; very robust habit. Choicest mixed. Large pkt. 40 cts.... 10

Single Mixed. Fine and showy. Large pkt. 30 cts.... 10

HONESTY · Moonwort

Hardy biennial, admired for its silvery seed-pouches, which are used for house ornaments. Beautiful and curious purple flowers. Sow seed in open in May and protect over winter. 2 feet. Pkt. 10 cts.; $\frac{1}{4}$ oz. 30 cts.

HELIOTROPE

A half-hardy perennial, flowering during the whole season. Its delightful perfume makes it a most desirable bouquet flower. A splendid bedding plant. Seed started indoors in the spring will make fine plants for summer blooming; can also be sown outdoors in May.

Large-flowering, Finest Mixed...... $\frac{1}{4}$ oz. 50 cts., \$0 15 Pkt.
Regale. Improved variety of dwarfier habit than the above; very fine flowers..... 25

HEUCHERA

Sanguinea. Excellent plants for rockeries and borders. The foliage grows close to the ground, and above it rise numerous graceful panicles of flowers of a vivid shade of coral-red, which make fine cut-flowers. Blooming from May till September. 1 foot. Pkt. 25
Choice Hybrids. (New.) Embrace every shade from white to glowing crimson..... 25

HIBISCUS · Mallow

Tall-growing annuals especially adapted to backgrounds and shrubby borders. Of easiest culture, and bloom the entire season. 4 to 5 feet.

Grandiflorus hybridus. A new race of large-flowered perennial Hibiscus. Excellent for borders. Beautiful mixture of Reds, Pinks, White, Blush, Pkt. and Clear Rose, 4 feet..... \$0 25
Grandiflorus, Sunset. A beautiful plant for the greenhouse or outdoors. Flower very large, pale yellow, black center..... 25

HUMULUS · Japanese Hop

A rapid summer climber which attains a height of 20 to 30 feet, resembling the common hop, but, being an annual, attains full perfection the first season. The foliage is luxuriant, making a dense covering. It is one of the best plants for covering verandas, trellises, etc., producing grateful shade and being very ornamental. Heat, drought, and insects do not trouble it. Pkt. $\frac{1}{4}$ oz.

Japanicus. Beautiful green foliage..... \$0 10
Variegatus. A variegated variety with handsome foliage..... 10 25

HUNNEMANNIA · Giant Yellow Tulip Poppy

Fumariæfolia. This very beautiful plant forms a shrubby bush 2 feet in height, with finely cut foliage, similar to that of the California poppy, and produces large, tulip-shaped flowers on long, stiff stems, from August to November. The color is a clear, brilliant yellow, the petals resembling crushed satin. The flowers will keep in water for several days. Sow seed early in the spring, in shallow drills where the plants are to bloom. Pkt. 10 cts.; $\frac{1}{4}$ oz. 25 cts.

ICE PLANT

Pretty trailing summer half-hardy annual for vases and rock-work; leaves covered with ice-like drops; flowers white. 6 inches. Pkt. 10 cts.; $\frac{1}{4}$ oz. 25 cts.



Double Hollyhocks

IMPATIENS

Most beautiful and useful tender perennial flowering plant, producing bright waxy flowers almost continually winter and summer. 1 foot. Pkt. \$0 25
Sultani. Bright rosy carmine. \$0 25
Holsti Hybrids. Form strong, bushy plants about 2 feet high, covered with attractive flowers throughout the entire summer and fall. 25

IPOMÆA

Climbers of rapid growth, with beautiful and varied flowers. For covering walls, trellises, arbors, or stumps of trees they are invaluable. It is well to soak the seed in warm water over night to assist in germination.

Imperialis (Japanese Morning-Glory). The flowers are of enormous size and of great variety of colors. \$0 10 \$0 30

Setosa (Brazilian Morning-Glory). The pleasing rose-colored flowers are borne very freely in large clusters from August to frost. 10 35

Rubro-cærulea grandiflora (Heavenly Blue). Immense flowers of a bright sky-blue. 15

Noctiflora (Moonflower). At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers, 5 to 6 inches in diameter. 10 50

KOCHIA

Trichophylla Childsi (Summer Cypress). A very ornamental plant of graceful habit, with finely cut green foliage which changes to a deep red in the autumn. It forms a neat little bush somewhat resembling a small cypress tree. A splendid plant for forming a hedge for the summer for any purpose. 3 feet. 10

KUDZU VINE (*Pueraria Thunbergiana*)

A perennial climber from Japan; fine when once established, often growing 40 feet in a season. Purplish violet, fragrant, wisteria-like flowers; good foliage. Pkt. 10 cts.; ¼ oz. 20 cts.

LAVATERA • Annual Malloy

Beautiful and showy annual, producing profusely the entire summer, large, cup-shaped flowers. Sow in the garden in May and thin out 1 foot apart. 2 feet. **Trimestris grandiflora rosea.** Brilliant pink. Pkt. 10 cts., ¼ oz. 25 cts.



Double Stock-flowered Larkspur

LAVENDER (*Lavandula vera*)

True Lavender. Popular sweet-scented hardy perennial; fine for mixed border. 3 feet. Pkt. ¼ oz. 30 cts. \$0 15

LANTANA

One of the most desirable half-hardy perennial greenhouse or bedding plants, constantly in bloom. Verbena-like heads of Orange, White, Rose, and other colored flowers. 2 feet. Pkt. ¼ oz. \$0 25

Mixed Colors. \$0 10 \$0 25
New Dwarf Bedding Hybrids. Excellent for bedding and pot culture. Will bloom freely all summer, and can be transferred to the greenhouse for the winter. 25

LARKSPUR**Tall Double Stock-flowered**

Larkspurs, or Annual Delphiniums, bloom quickly from seed sown in the spring, and their fine flower-spikes are exceedingly graceful and attractive in the garden, especially if planted in shrubby borders or in large beds. They furnish some of the finest cutting material. 2½ to 3 feet.

Exquisite.	See Novelties and Pkt.	¼ oz.	Pkt.	¼ oz.
Specialties, page 4.				
Rosy Scarlet. See Novelties and Specialties, page 4.				
Dark Blue	\$0 10	\$0 25		
Lilac	\$0 10	\$0 25		
Lustrous Carmine or Newport Pink	10	25		
Shell-Pink	\$0 10	\$0 25		
Sky-Blue			10	25
Pure White			10	25
Finest Mixed			10	20
Dwarf Rocket. A choice mixture of varieties that grow about 1 foot in height.			10	20

LATHYRUS LATIFOLIUS**Everlasting or Hardy Sweet Pea**

A hardy perennial climber, flowering the first year if seed is sown in the fall. Flowers resemble sweet peas. Is not fragrant, but is hardy and showy, and thrives in any good soil. Height 6 feet. Pkt. \$0 15

White Pearl. Long spikes of white flowers. 10
Pink Beauty. Rosy pink. 10
Mixed. All colors. 10

LINUM • Flax

Grandiflorum rubrum (Scarlet Flax). An elegant, free-flowering hardy annual, valuable for bedding; brilliant scarlet flowers. 1 foot. ¼ oz. 40 cts. 10
Perenne. A graceful, hardy perennial, producing bright blue flowers the entire summer. 1½ feet. 10
Perenne album. A fine white-flowered form of the above. 10

Perennial Sweet Peas (*Lathyrus*)

See Flower Seed Novelties, pages 4 and 5



Lupinus

LUPINUS · Lupine

Annual Varieties

Free-flowering, easily-grown annuals, with long, graceful spikes of rich and various-colored pea-shaped flowers; valuable for mixed borders, beds and for cutting. 2 feet.

	Pkt.	Oz.		Pkt.	Oz.
Rich Blue	\$0 10	\$0 40	Rose	\$0 10	\$0 40
Sky-Blue	10	40	White	10	40
Yellow	10	40	Mixed	10	40

Perennial Varieties

Hardy perennials, succeeding in any good garden soil; blooms in May and June. 3 feet

	Pkt.		Pkt.
Polyphyllus. Blue	\$0 10	Moerheimi. Flowers rose and white; Pkt.	
Polyphyllus albus. White	10	blooms nearly the whole summer.	
Polyphyllus roseus. Rosy pink flowers.	15	Habit rather dwarf.	\$0 15
		Perennial Mixed	10



Double African Marigold

LINARIA

The annual Linaria is hardy and produces varied and beautiful flowers resembling miniature snapdragons. Very suitable for bouquets and table decoration. Clumps of Linaria form an interesting feature of the annual border.

- Maroccana Hybrids.** Varied and beautiful flowers, ranging from Pkt. white to yellow, pink and blue. \$0 15
Cymbalaria (Kenilworth Ivy). Beautiful trailing plants with violet flowers; useful for vases, baskets, etc. 10

LOBELIA

Exceedingly pretty, profuse-blooming plants of great value, both in the garden and for hanging-baskets, window-boxes, and vases; especially prized for edgings of beds and borders. 6 inches.

Annual Varieties

	Pkt.
Blue Emperor. Light blue; compact; very fine.	\$0 10
Compacta, Crystal Palace. Dark blue. For borders and bedding.	10
Compacta, Mrs. Clibran. Deep blue with white eye; compact habit.	10
Compacta, Snowball. Compact habit; pure white.	10
Erius (gracile). Blue. Fine for baskets or trailing purposes.	10
Hybrida, Sapphire. Deep blue, pure white eye; used for balconies, flower-stands, and hanging-baskets.	15
Tenuior. Flowers cobalt-blue, with white center. Of upright growth; about 15 inches high. Splendid for pots or bedding.	15

Perennial Variety

Tall-growing hardy perennial, with showy spikes of richly colored flowers. They are indispensable for permanent beds and borders. 3 feet.

Cardinalis (Cardinal Flower). Long spikes of intense scarlet flowers. Pkt. 25 cts.



Lychnis chalcedonica

LYCHNIS

Handsome hardy perennial plants of easy culture, for massing in beds and borders; blooming the first year, if sown early.

	Pkt.
Arkwrighti. (New.) Effective colors.	\$0 25
Chalcedonica. Fine scarlet flowers. 2 feet	10
Chalcedonica, Salmon Queen. Very pretty salmon-pink.	10
Haageana. Brilliant orange, scarlet, crimson, etc., in mixture. 1 foot.	15

MATRICARIA

Free-flowering, hardy annual plants, fine for bedding or pots; blooms until frost.

	Pkt.
Capensis albo-pleno (Double White Feverfew). Handsome double white flowers. 1½ feet. Pkt. 10 cts.; ¼ oz. 25 cts.	
Eximia plena, Golden Ball. Golden yellow. 1½ feet. Pkt. 10 cts., ¼ oz. 50 cts.	

MARIGOLD

These old-fashioned favorites are annuals of the very easiest cultivation. Both the French and African classes are very effective. The former have the small, velvety flowers, in pretty combinations of yellow, brown, maroon, and striped effects; the African sorts are the enormous-flowered ones, in very showy orange and lemon shades. Both are popular for beds, borders, and cut-flowers. They bloom profusely all summer. Start the seed early in a box in the house or plant directly in the garden when the weather is warm.

Double African Marigolds

	Pkt.	¼ oz.
Orange Prince. Large, deep golden orange flowers. 2½ feet.	\$0 10	\$0 40
Lemon Queen. A charming color. 2½ feet.	10	40
Mixed. 2½ feet.	10	25

IMPORTED COLLECTION: Six varieties, 75 cts.

FRENCH MARIGOLDS

Double Dwarf Gold-striped. Flowers beautifully striped and well formed. 10 inches.	Pkt. 1/2 oz. \$0 30
Double Dwarf Golden Ball. A splendid pure golden yellow.	10 30
Double Dwarf Dark Brown. Beautiful reddish brown.	10 30
Double Finest Mixed. Finest assortment saved from prize flowers. 1 foot.	10 25
Legion of Honor. A single Marigold of great beauty. Flowers bright yellow blotched with brown. Admirably adapted for beds and edging. 9 inches.	10 25

IMPORTED COLLECTION: Six varieties, 50 cts.

MARVEL OF PERU · Four o'Clock, or Mirabilis

A very popular and most interesting garden plant, growing to a height of 2½ feet and spreading to perfect tree-shaped bushes 1½ feet through, which are literally covered with bright-colored morning-glory-like blossoms. The foliage is very dense, solid in form, and dresses the plant completely from the bottom up. The flowers close in the afternoon and open each morning. They range in color from white, to yellow, pink, orange, and red. Seeds may be sown in the open garden.

Mixed Colors. Pkt. 10 cts.; oz. 25 cts.

MATTHIOLA

Evening-scented Stock

Bicornis. This old-fashioned annual has no beauty to recommend it, the flowers being a dull purplish lilac, but it is well worth growing for the entrancing fragrance which it emits during the evening. 1 foot. Pkt. 10 cts.; ¼ oz. 25 cts.

MAURANDIA

Elegant, twining half-hardy perennial plants, with handsome foliage and tube-shaped flowers. It blooms early from seed the first season and is particularly adapted for house and conservatory; excellent for hanging-baskets, window-boxes, etc. 10 feet.

Belaiana, Finest Mixed. Pkt. 10 cts.

MIMOSA

Pudica (Sensitive Plant). A curious annual whose leaves instantly close up when touched. A neat plant for either pot or Pkt. garden culture. 1½ feet. \$0 10

MIMULUS

A half-hardy perennial, growing from 6 inches to 1 foot high. Useful for window-gardens and pot-work, or for garden in a moist, shady situation. Blooms first year from seed if sown early.

Moschatus (Musk Plant). Fragrant plant. Pkt. with small, yellow blossoms. \$0 15
Tigrinus (Monkey Flower). Large flowers of several colors and spotted. 10



Mignonette



French Marigolds

MIGNONETTE · Reseda

The wonderful, sweet, delicate fragrance of Mignonette has made it a favorite in every garden. Sow in April where plants are to remain and again later for a continuation of bloom until frost; can also be grown in pots for winter and early spring flowering.

Machet. Dwarf and vigorous grower, with large spikes of sweet-scented flowers. Fine for either greenhouse Pkt. 1/2 oz. \$0 25 or outdoor culture.

Golden Machet. Thick, massive spikes of golden yellow fragrant flowers. 10 25

Defiance. Spikes from 12 to 15 inches long; deliciously fragrant. 10 25

Goliath. The immense trusses of highly-scented flowers are borne on erect, strong, stiff stalks. 15 50

Triumph. Strong, vigorous grower, with extra-long and large spikes. 15

Sweet-scented. The old variety with small spikes; very sweet scented. 10
 oz. 25 cts.

MYOSOTIS · Forget-me-not

Most of the Forget-me-nots will bloom the first year from seed if sown early. If sown in July or August, in shaded frames, fine plants will be obtained for spring blooming.

Alpestris, Victoria. Of dwarf, compact growth, with long sprays of bright Pkt. blue flowers, produced in dense umbels. 6 inches. \$0 10

Disitiflora. Very free-blooming; large-flowering; compact habit. 10

Palustris (True Forget-me-not). Dark blue. 10

Palustris semperflorens. Very dwarf; blooming from spring until autumn. 15

Eliza Fonrobert (*M. robusta grandiflora*). Large-flowering, bright blue. 10

Royal Blue. Flowers are of larger size and a deeper blue than any other; unexcelled for pot culture. 10

Oblongata perfecta. Flowers borne on long stems; very suitable for winter flowering. 15

MOMORDICA

Handsome climbing annual with rich green foliage and golden yellow warted fruit. 10 feet. Pkt.

Balsamina (Balsam Apple). Round apple-shaped fruit. \$0 10

Charantia (Balsam Pear). Pear-shaped fruit. The fruits of this variety are used medicinally. 10



Myosotis (Forget-me-not)



Waterer's Superb Dwarf Nasturtiums

NASTURTIUMS

A marvelous range of new colors has been developed in this favorite flower which, for three or four months of the season, makes a better display than almost any other plant. No other hardy annual will produce such a lavish profusion of flowers for so long a time with the same small outlay of time and labor. The maximum of bloom is produced on thin soils, and never flags through the hottest weather. In soils too rich, leaves predominate, and the plants are apt to rot off in wet weather, especially if standing too close. The tall varieties make a very effective display when trained on fences or trellises and the low sorts are fine for edging and massing.

DWARF OR TOM THUMB VARIETIES

Compact, bushy plants, just right for bedding, blooming freely from June until frost and furnishing splendid cut-flowers.

Chameleon. Various colors on one plant.

Crystal Palace Gem. Yellow, maroon blotches.

Empress of India. Fiery crimson; dark foliage.

Golden King. Golden yellow; dark foliage.

King Theodore. Crimson-maroon; dark foliage.

King of Tom Thumbs. Dark scarlet; dark leaves.

Pearl. Creamy white.

Prince Henry. Pale yellow, carmine blotches.

Regelianum. Deep, purplish crimson.

Rose. Soft carmine-rose.

Spotted. Golden yellow, spotted garnet.

Vesuvius. Rich deep apricot; dark foliage.

Any of the above dwarf sorts, pkt. 5 cts.; oz. 20 cts.; ¼ lb. 65 cts.

COLLECTION: One pkt. each of above 12 varieties, 50 cts.

Superb Mixture of Fancy Dwarf Nasturtiums. The cream of the Dwarf Nasturtiums in a special blend. Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. \$1.75.

TALL OR CLIMBING VARIETIES

Of quick growth, covering a wall, hedge, or trellis in a short time. The brilliant blossoms almost cover the plant from top to bottom. 6 to 8 feet.

Chameleon. Rich vari-colored flowers on same plant.

Crimson. Velvety crimson.

Gold Garnet. Orange-yellow, garnet blotches.

Jupiter. Golden yellow.

King Theodore. Crimson-maroon, dark foliage.

Orange. Pure orange.

Pearl. Creamy white.

Prince Henry. Pale yellow, carmine blotches.

Rose. A lovely shade of ruby-rose.

Schulzi. Rosy scarlet, dark foliage.

Vesuvius. Rich deep apricot.

Yellow. Pure yellow.

Any of the above tall sorts, pkt. 5 cts.; oz. 15 cts.; ¼ lb. 50 cts.

COLLECTION: One pkt. each of above 12 varieties, 50 cts.

Superb Mixture of Fancy Tall Nasturtiums. A special blend, embracing all of the finest named varieties. Both plain and fancy-leaved sorts. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. \$1.25.

LOBB'S CLIMBING VARIETIES

Both foliage and flowers of this type are slightly smaller than those of the common Tall Nasturtiums, but the wonderful profusion of bloom and intense brilliancy of colors make it particularly desirable. 6 to 8 feet.

Lobb's Finest Mixed. Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. \$1.50.

NEMESIA

Free-blooming dwarf bushes for pot culture and open borders. Sow in spring under glass, and transplant; or sow outdoors in May, in patches, where they are intended to flower. Seed sown in the autumn makes beautiful pot plants for early spring blooming.

Blue Gem. One of the most lovely little plants for edgings, small beds, or Pkt. massing along the front of borders. The flowers are a beautiful bright blue. \$0 15

Strumosa Suttoni. Large flowers in many rich and rare colors. 15

Dwarf Compact Hybrids. A great variety of new and improved colors; very free-flowering. 9 inches. 15

NIGELLA · Love-in-a-Mist

Miss Jekyll. Bushy plants about 12 to 15 inches high, with clear cornflower-blue flowers of large size, surrounded by slender, mistlike foliage; lovely for cutting. ¼ oz. 25 cts. 10

Miss Jekyll, White. A white form of the preceding. 10



Nigella, Miss Jekyll



Waterer's Exhibition Prize Pansies

NEMOPHILA

Very pretty, dwarf-growing, hardy annual of easy culture; continuous bloomers; cup-shaped flowers of brightest colors. Good in pots, edgings, rockeries or beds; moist soil and partial shade is favorable for them.

Insignis. Sky-blue.....	Pkt. \$0 10
Mixed	10

NICOTIANA · Flowering Tobacco

Long, tube-shaped, sweetly-scented flowers. Attractive plants for large beds and borders. 3 feet.

Affinis. Large, pure white flowers; very fragrant. $\frac{1}{2}$ oz. 25 cts.	\$0 10
Affinis Hybrids. Brilliant colors, including a large proportion of pink and red shades in addition to pure white. Flowers somewhat larger than <i>N. affinis</i> ; sweet-scented. $\frac{1}{2}$ oz. 35 cts.	10
Sanderæ, Crimson King. See page 5.	
Sanderæ Hybrids. Very bushy plants, branching freely from near the base and giving a continuous display of large, tubular flowers in shades of carmine, rose, and pink.	10

PHLOX DRUMMONDI

Large-Flowering Varieties

For a color effect in the garden there is nothing quite so brilliant and quite so lasting as these desirable hardy annuals. Plants grow about 1 foot high, produce their slender flower-stems in numbers on a single plant, each being crowned with an umbel composed of ten to twenty large, perfumed blooms, which resemble in appearance a hardy phlox. They succeed best in a sunny open situation, and seeds, sown outdoors in May, will be a solid sheet of color in July and remain so until frost. They may be cut and lend themselves with much grace in arrangements in bowls. Seeds may also be sown in the hotbed in March and thus flowers can be had in June.

White	Pkt. Large pkt. \$0 10 \$0 40
Shell-Pink	10 40
Deep Rose	10 40
Bright Scarlet	10 40
Scarlet with White Eye	10 40
Lilac	10 40
Yellow	10 40
Choicest Mixed. Splendid, large-flowering sorts. $\frac{1}{2}$ oz. 40 cts.; oz. \$1.25.	10

IMPORTED COLLECTION: Twelve varieties, 75 cts.

DWARF PHLOX

Plants of this charming section grow 6 to 8 inches high and produce dense masses of bloom all summer. Excellent for beds, edgings, pots, etc.

Brilliant Rose	Pkt. \$0 15
Fiery Scarlet	15
Star Phlox (<i>P. cuspidata</i>). Beautiful star-shaped flowers of various colors. $\frac{1}{2}$ oz. 40 cts.	10

PHLOX DECUSSATA

The hardy Phloxes are splendid old-fashioned border flowers, lasting for years when once established on good soil, and blooming from July until September. The seed germinates slowly and irregularly over a period of six months. 3 feet.

Finest Mixed. Saved from the newest and best large-flowering varieties. Pkt. 15 cts.

PANSY

Pansies thrive best in a moist, shady location and in rich, loamy soil. Seed should be sown in the autumn for early spring blossoms, or can be sown early in the year for good flowers late in the spring. The plants must be transplanted twice in order to get the largest flowers—once from the seed-box to a chosen bed, and again to the open garden. This is important if large-sized Pansies are desired. Use manure liberally. The blossoms are usually larger in the spring and again in the fall, but are small during the hot months.

WATERER'S EXHIBITION PRIZE, MIXED. This is a superb mixture of the largest and best types in an immense variety of brilliant colors. Pkt. 50 cts.; $\frac{1}{2}$ oz. \$1; $\frac{1}{4}$ oz. \$3; oz. \$10.

Cassier's Large-flowered Blotched. Very Pkt. Large pkt. $\frac{1}{2}$ oz. fine large-flowered mixed..... \$0 25 \$0 75 \$1 25

Odier's Five-spotted. Extra choice. We can strongly recommend this strain..... 25 75 1 25

Triumph of the Giants. Plants of robust growth, with large flowers, mostly curled; rich variety of color..... 25 75 1 25

English Show. Extra-fine strain; splendid variety of color with good form..... 25 75 1 25

Masterpiece. Very fine blooms, beautifully blotched; very rich colors..... 25 75 1 25

English Prize. Seed saved from the finest collection of prize plants..... 50 1 00

Giant Prize, Light Blue. Ultramarine-blue with violet eye..... 15 50 1 00

Giant Prize, Golden Queen. Bright golden yellow, marked in the center with a few dark stripes..... 15 50 1 00

Giant Prize, Golden Yellow. Bright golden yellow, with large brown eyes..... 15 50 1 00

Giant Prize, Dark Blue. Rich dark blue; large, fine. Pkt. 15c; large pkt. 50 cts.; $\frac{1}{2}$ oz. \$1.

Giant Prize, Lord Beaconsfield. Deep violet, shading to white on the upper petals. Pkt. 15 cts.; large pkt. 50c; $\frac{1}{2}$ oz. \$1.

Giant Prize, Snow Queen. Satin-white, center slightly tinged with yellow. Pkt. 5c; large pkt. 50 cts.; $\frac{1}{2}$ oz. \$1.

Giant Prize, White. White flowers with dark eye. Pkt. 15c; large pkt. 50 cts.; $\frac{1}{2}$ oz. \$1.

Parisian Large Stained. Very showy strain of Trimardeau; fine large flowers. Pkt. 15 cts.; large pkt. 50 cts.; $\frac{1}{2}$ oz. \$1.

Choice Mixed. Extra fine; great variety. Pkt. 10 cts.; large pkt. 25c; oz. \$1.50.



Phlox Drummondii



Single Petunias

PENTSTEMON

Hardy herbaceous plants which produce continuously an abundance of brilliant flowers, somewhat like the foxglove, but mostly with white throats. Make a fine border flower. Sow seeds in a pan of light soil and transplant. 2 to 3 feet.

Grandiflorus, Excelsior. The plants of this fine variety attain a Pkt. height of about 2½ feet. The blooms are a great size, almost as large as a gloxinia, and range in color from white to deep scarlet. \$0 25

PHYSOSTEGIA • False Dragonhead

One of the most beautiful of our summer-flowering perennial border plants. It forms dense bushes, bearing a profusion of delicate tubular flowers in July and August. 3 to 4 feet.

Virginica. Pink. Pkt. 10c.

PHYSALIS

Chinese Lantern Plant

Francheti. An ornamental plant, forming dense bushes about 2 feet high, producing freely its bright orange-scarlet lantern-like fruits, which can be cut and dried for winter bouquets; highly interesting. Pkt. 10 cts.

See Flower Seed
Novelties

Pages 4 and 5

LARGE-FLOWERING PETUNIAS

Petunias are showy in beds, and bloom continuously throughout the summer. Sow the seed in pots or flats in the house or hotbed in February or March, or in the garden as soon as the soil is warm. Cover the seed but lightly, as it is very fine.

Large-flowering Single Fringed. An unrivaled strain, Pkt. producing large, beautiful flowers of the richest colors, with fringed edges. \$0 25

Superb Large-flowering Double Fringed. Our seed of these is of unsurpassed excellence. Finest mixed. 50
Giants of California. Flowers very large and of bright and desirable colors. 25

Scarlet Beauty. Glowing crimson-scarlet, shading to rose in the throat and toward the lovely frilled edges. 35

White Beauty. Beautifully frilled, snowy white flowers with attractive throat-markings. A mass of bloom all summer. 35

Pride of Portland. Well-waved, rich Tyrian-rose blooms, lighter in the throat. Gorgeous in masses. 35

Elk's Pride. Immense flowers with heavy velvety petals of rich violet-purple. 35

IMPORTED COLLECTION: Six Double Fringed varieties, \$1

SINGLE BEDDING PETUNIAS

Feltham Beauty. Great variety of color, ranging Pkt. from white to deepest rose. 1 foot. ½ oz. \$0 25

Rosy Morn. Bright rosy pink, white throat; compact and free-flowering. 15 50

Rose of Heaven. Very dwarf; rose-pink. 15 50

Howard's Star. Rich crimson, with distinct white star in center. 15 50

Snowball. A fine compact sort, producing its pure white flowers throughout the entire season. 15 50

Viola. A beautiful steel-blue or deep violet, with no trace of magenta. 15 75

Finest Mixed. A choice mixture of color and shades 10 25

BALCONY PETUNIAS

See Novelties and Specialties, page 5.



Border of Portulacas; Zinnias in the background

PLATYCODON

The large-flowering Chinese Bellflower. It is a hardy perennial, bearing large, broad, bell-shaped white or blue flowers; very handsome for garden decoration. 2 feet. Pkt. 10

Grandiflorum, Blue 10
Grandiflorum, White 10

PORTULACA

This charming little hardy annual is unrivaled for brilliancy among plants of low growth, and, although it flourishes under almost all conditions, hot sun and a light, sandy soil suit it best. Nothing is prettier for beds, edgings, rockwork, etc. As an undergrowth for taller plants it is also valuable. Through the driest, hottest seasons it flourishes amazingly, carpeting the ground with a mat of succulent foliage that, in the forenoon, is hidden by gayest of flowers. The seed does not germinate until hot weather, and should be sown late. This plant requires little care and can be transplanted in full flower. 6 inches. Pkt. ½ oz. \$0 10 \$0 35

Single Golden Yellow 10 35
Single Scarlet 10 35

Single White 10 35
Single Mixed. All colors. 10 25

Double Choiced Mixed. Contains all the best double varieties. 10 75

POPPIES

Few flowers have the same grace of stem, airiness of poise, and delicacy of tissue as the Poppy. For beds and borders, with a background of green, there is nothing finer. Some sorts are admirable for naturalizing in open wooded grounds; others, like the Shirley, are beautiful for cutting. A sandy loam suits Poppies best, and, as their strong tap-roots are difficult to transplant, it is well to sow the seed where the plants are to bloom. Sowings made in fall and at intervals in spring will provide a long succession of flowers. Sow thinly, covering very lightly, and thin the plants to stand about a foot apart. The best plants are those grown from early sowings while the soil is cool and moist.

SINGLE ANNUAL VARIETIES

American Legion. This new single Shirley is a dazzling orange-scarlet of enormous size, borne on long, stout stems.	Pkt. 1/2 oz.	\$0 10	\$0 25
Dainty Lady. Immense flowers 4 to 5 inches across, of a charming shade of rosy mauve, with a large dark metallic blotch at the base of each petal.	10	20	
Shirley. (Santa Rosa Strain.) Most beautiful strain of single Poppies. The colors range through all shades of delicate rose, pink, carmine and brilliant crimson. 2 feet.	10	20	
Black Prince. New. A single-fringed Poppy of black-brown hue, with dark violet reflection, which, with the almost white anthers, form a striking contrast.	10	20	
Charles Darwin. Annual Poppy, growing 2 to 2 1/2 feet high and remarkable for its new color, a rich dark purple, adorned with a black spot at base of petals.	10	20	
Virginia. Large, beautifully fringed flowers of pure white, edged with soft pink.	10	20	
King Edward. Deep scarlet-red with large black blotch on each petal. 2 1/2 feet.	10	20	
Admiral. A single peony-flowered variety of surpassing beauty, having large, smooth-edged flowers of glistening white, with a broad band of brilliant scarlet around the top.	10	20	
The Bride. A beautiful variety, with very large, pure white, perfectly formed flowers.	10	20	
Danebrog (Danish Flag). Single scarlet flowers, with a large white blotch on each petal. 2 feet.	10	20	
Single Mixed. Annual sorts.	10	20	oz. 25 cts.



Single Shirley Poppies

IMPORTED COLLECTION OF SHIRLEY POPPIES: Twelve varieties, 75 cts.

DOUBLE ANNUAL VARIETIES

Whereas the single Poppies are most fragile in appearance, and the airiest flowers imaginable, the double sorts are firm-petaled and of sufficient substance to last well on the plants and after cutting. Their range of color is marvelously varied and a big bed of them is a joyous riot of gorgeousness.

American Flag. Beautiful variety with very large and double flowers of snow-white, bordered with scarlet.	Pkt. 1/2 oz.	Oz. \$0 10	\$0 30
Cardinal. A splendid variety, growing about 2 feet high and bearing large, globular, fringed flowers of an intense cardinal-red.	10	30	
Eldorado. New double Shirley Poppy. Beautiful shades.	1/2 oz. 35 cts.	10	1 00
Mikado. Double; white-fringed petals, tipped with scarlet. 2 feet.	10	30	
Shell-Pink. Similar in every way to Cardinal and White Swan, except color, which is a soft seashell or chamois-pink.	10	30	
White Swan. Immense double flowers, beautifully fringed, and of purest white.	10	30	
Carnation-flowered. Finest mixed double; large showy flowers. 2 feet.	10	25	
Peony-flowered Mixed. Splendid, large double flowers of all colors.	10	25	

HARDY PERENNIAL VARIETIES

There are no flowers more ornamental and useful in our gardens than the various varieties of hardy Poppies. Once started they increase in size and beauty each succeeding season.

Perennial Poppies may be sown from June to August, to bloom the following summer.

Oriental (Oriental Poppy). The beautiful, brilliant dark scarlet, hardy Poppy.	Pkt. 1/2 oz.	\$0 10	
Oriental Hybrid, Excelsior. A very fine mixture, ranging from delicate salmon to deep crimson.	15		
Oriental Hybrid, Mrs. Perry. Orange-apricot, very fine.	15		
Oriental Hybrid, Princess Victoria Louise. Bright salmon-scarlet.	15		
Iceland (<i>Papaver nudicaule</i>). They grow about a foot high and are covered with masses of bright, satiny scarlet or orange-scarlet flowers. Finest mixed. 1 1/2 oz. 50 cts.	10		
Iceland (<i>Papaver nudicaule</i>). Sunbeam Improved. See Novelties, page 5.			

Oriental Poppies (*Papaver Orientale*)

PRIMULA CHINENSIS • Chinese Primrose

One of our finest free-flowering winter house plants. Our strains may be relied on as being of the finest procurable.

Alba magnifica. Pure white, with yellow eye. One of the finest.....	Pkt. \$0 50
Chiswick Red. Rich deep rose.....	50
Crimson King. The deepest and richest crimson-scarlet color in Primulas.....	50
Duchess. Pure white, with large bright carmine center.....	50
Holborne Blue. A beautiful shade.....	50
Orange King. Orange-salmon, shaded with terra-cotta. Very beautiful.....	50
Excelsior Mixed. A magnificent strain of Giant Primula.....	50
Stellata. Large heads of star-shaped flowers of various colors.....	50

PRIMULA OBCONICA

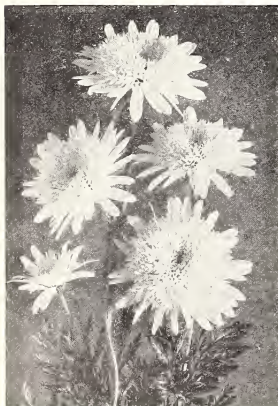
Gigantea Kermesina. Rich crimson.....	25
Gigantea caerulea. Blue.....	25
Gigantea, Salmon Queen. Salmon-pink.....	35
Gigantea rosea. Pure rose color.....	25
Gigantea, Mixed. All colors.....	25
Grandiflora alba. Pure white.....	20
Grandiflora Kermesina. Bright crimson.....	20
Grandiflora rosea. Beautiful clear rose.....	20
Grandiflora, Apple Blossom. Soft pink.....	20
Grandiflora, Mixed. All colors.....	20

VARIOUS PRIMULAS

Kewensis. The flowers are a bright yellow in color and fragrant.....	25
Malacoides. Light lilac; branching habit.....	Pkt. \$0 25
Malacoides alba. Pure white.....	25
Malacoides fl.-pl. (New.) Double; deep, rosy pink.....	25
Malacoides fimbriata. (New.) The flowers, of a lovely pink hue, are beautifully and delicately fringed.....	25
Malacoides, Pink Beauty. A new and very remarkable variety with large flowers of a beautiful rosy pink, almost shading to mauve.....	25
Malacoides superba. New improved variety, of a deep rosy pink color.....	25

RHODANTHE

A well-known and splendid Everlasting; valuable for the decoration of the conservatory and flower-garden. 1 foot. **Mixed Colors.** Pkt. 10 cts.



Pyrethrum hybridum



Hardy Primulas

Hybridum fl.-pl. Finest double hybrids. Seed saved from the finest collection.....	\$0 15
Aureum (Golden Feather). Dwarf bedding plant, with yellow, fern-like leaves, useful for edging beds and borders.....	10 25 cts.

RICINUS • Castor-Oil Bean

Picturesquely showy and imposing, the Ricinus gives to the garden magnificent semi-tropical effects. Grown as a specimen it makes a perfect pyramid of gigantic leaves; a dozen plants in a large bed show a glorious mound of glistening colors and may be admired from a long distance; planted thickly it soon forms a handsome screen or hedge.

Bourboniensis arborea. Large and handsome green foliage. 10 to 15 feet.....	Pkt. \$0 10	Oz. \$0 25
Cambogensis. Large, bronzy red-maroon leaves; stalks nearly black. 5 feet.....	10	25
Gibsoni. Dark purplish red foliage. 5 feet.....	10	25
Red Spire. Bronzy green; red ribs and veins.....	10	30
Sanguineus. Red stalks; scarlet fruit. 8 feet.....	10	25
Zanzibarensis, Mixed. Very tall, stately plants with leaves of enormous size, varying in color from light green to purplish red. 12 to 14 feet.....	10	25
Mixed. All sorts.....	10	20

RUDBECKIA

Bicolor superba (Coneflower). Fine free-flowering annual, growing about 2 feet high, forming a dense bush and producing an abundance of bright yellow flowers with brown central disc; fine for cutting. Pkt. 10 cts.; 1/4 oz. 25 cts.



Primula obconica

HARDY PRIMULAS

These are among the best of the early spring-blooming plants. With slight protection they will stand the winter, but will do better if protected by a coldframe.

Auricula. A well-known variety of Pkt. great beauty; brilliant-colored flowers in umbels, ranging in colors of maroon, purple, crimson, and yellow. Choice mixed from prize flowers.....	\$0 25
Polyanthus (<i>P. elatior</i>). The colors range from white to deep maroon, the yellow, rose, and crimson shades being particularly fine. 9 inches. Finest mixed.....	25
Japonica, Mixed. One of the finest Primroses for the garden, producing several whorls of large flowers, on erect stems, varying from white to crimson. 1 1/2 feet.....	15
Vulgaris (English Primrose). Flowers fragrant, canary-yellow color.....	15

PYRETHRUM

Hardy perennials, bearing single and double aster-like flowers on long stalks; excellent for cutting. 2 feet. Pkt.

Hybridum grandiflorum. Large-flowering single mixed.....	\$0 15
Hybridum fl.-pl. Finest double hybrids. Seed saved from the finest collection.....	25
Aureum (Golden Feather). Dwarf bedding plant, with yellow, fern-like leaves, useful for edging beds and borders.....	10 25 cts.

RICINUS • Castor-Oil Bean

Picturesquely showy and imposing, the Ricinus gives to the garden magnificent semi-tropical effects. Grown as a specimen it makes a perfect pyramid of gigantic leaves; a dozen plants in a large bed show a glorious mound of glistening colors and may be admired from a long distance; planted thickly it soon forms a handsome screen or hedge.

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Gibsoni. Dark purplish red foliage. 5 feet.....	10	25
Red Spire. Bronzy green; red ribs and veins.....	10	30
Sanguineus. Red stalks; scarlet fruit. 8 feet.....	10	25
Zanzibarensis, Mixed. Very tall, stately plants with leaves of enormous size, varying in color from light green to purplish red. 12 to 14 feet.....	10	25
Mixed. All sorts.....	10	20

RUDBECKIA

Bicolor superba (Coneflower). Fine free-flowering annual, growing about 2 feet high, forming a dense bush and producing an abundance of bright yellow flowers with brown central disc; fine for cutting. Pkt. 10 cts.; 1/4 oz. 25 cts.



Salpiglossis

SCABIOSA

Mourning Bride; Pin-Cushion Flower;
Sweet Scabious

One of our finest annuals for cutting, and very showy in the garden. Easily raised from seed; blooms continuously from early summer until frost in a wide range of rich and beautiful colors. The varieties we offer are greatly improved in size and color of the flowers. Sow in the coldframe or greenhouse, and transplant in May, or seed may be sown in the open ground the latter part of April. 3 feet.

Annual Varieties**Improved Large-Flowering**

Azure Fairy. Lavender-blue.....	Pkt. 10	1/2 oz. 30
Crimson. Rich rosy crimson.....	10	30
Flesh-Pink. Delicate pink.....	10	30
King of the Blacks. Velvety black-purple.....	10	30
Rose. Soft rose-color.....	10	30
White. Pure white.....	10	30

COLLECTION: One pkt. each of the above 6 colors, 50 cts.

Mixed. Pkt. 10 cts.; 1/2 oz. 25 cts.; oz. 60 cts.

Scabiosa Columbaria. See Novelties and Specialties, page 5.

Perennial Varieties

Caucasica. A hardy perennial variety with large pale blue flowers on long stems; Pkt. valuable for cutting. 3 feet.....	\$0 25
Japanica. Beautiful lavender-blue flowers. 2 1/2 feet.....	15

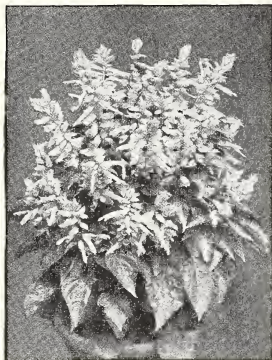
SCHIZANTHUS · Butterfly Flower

Very beautiful and showy hardy annuals, fine for beds and borders in the summer garden. Grow in pots in early spring in the greenhouse they become elegant foliage plants, with masses of flowers. 1 1/2 to 2 feet.

Wisetonensis. The colors range from soft pink to dark brown.....	\$0 20
Wisetonensis, Excelsior. This may be described as a much larger flowering strain of Wisetonensis.....	25
Dr. Badger's Hybrids. Very large flowers, giving a wide range of colors.....	25

Garraway's Hybrids. A magnificent strain Pkt. for greenhouse and conservatory decoration, embracing a wide range of beautiful colors... \$0 25

Mixed. A very fine strain of this popular and showy annual. The compact pyramidal plants grow 1 1/2 feet high and produce bright, showy blooms in a great range of colors..... 15



Salvia, America

SALPIGLOSSIS · Painted Tongue

These showy, half-hardy annuals bear beautiful, funnel-shaped flowers having dark veins on a ground which varies from white to crimson, yellow, orange, etc., and intermediate shades. They are easily grown, require a light, rich, sandy loam and will respond to liberal treatment. Bloom from late summer until frost. 2 feet.

Crimson	Pkt. Large pkt. \$0 10 40	Rose and Gold	Pkt. Large pkt. \$0 10 40
Primrose	10 40	Scarlet and Gold	10 40
Purple and Gold	10 40	White and Gold	10 40

COLLECTION: One pkt. each of the above 6 varieties, 50 cts.

Finest Mixed. All colors. Pkt. 10 cts.; 1/2 oz. 40 cts.

SALVIA · Scarlet Sage

Salvias make a striking display, with their long, brilliant flower-spikes. They bloom continuously from early summer until frost. Sow seed as early as possible, in shallow boxes or pots in the greenhouse or coldframe. When plants are large enough, transplant singly into small pots, and set out when all danger of frost is past. May also be sown in the open ground in May.

America. Of dwarf, bushy, compact growth, and very uniform in height and shape. A free and continuous bloomer; produces large spikes of brilliant scarlet flowers..... 1/2 oz. 75 cts. \$0 25

Bonfire. Compact bushy plants, 2 feet high, producing innumerable erect spikes of brilliant scarlet flowers..... 1/2 oz. 60 cts. 10

Fireball. A dwarf early-flowering variety with long spikes of brilliant scarlet flowers. 1 1/2 feet..... 1/2 oz. \$1 15

Splendens. Tall-growing plants with bright scarlet flowers. 3 feet..... 1/2 oz. 75 cts. 10

Splendens, Harbinger. See Novelties and Specialties, page 5.

Zurich. One of the earliest flowering; plants are of dwarf, bushy growth and produce an abundance of bright scarlet flowers from early July until frost. 1 1/2 feet..... 1/2 oz. 75 cts. 25

Farinacea, Blue. A perennial variety, but best grown as an annual. Seed sown in the open ground in May blooms from July to frost. The light blue flowers are borne on long spikes, held above the foliage. 2 feet..... 15

SANVITALIA

Procumbens fl.-pl. Beautiful dwarf-growing, hardy annual for beds or borders; bright yellow, double flowers; blooms all summer. 6 inches..... 10

SCARLET RUNNER BEANS

An ornamental climber, growing to about 10 feet high, bearing large sprays of bright scarlet flowers, followed by edible beans. Pkt. 10 cts.; 1/2 lb. 20 cts.; lb. 35 cts.



Sanvitalia



Stokesia cyanea (Cornflower Aster)

STOCKS · Gilliflower

One of the most popular annuals, either for bedding or pot culture. Sow in spring, either in boxes or in open ground, and when transplanting to where they are intended to flower, care should be taken not to discard the smaller seedlings, which usually produce the best double flowers, the large coarse plants being often all singles.

Cut-and-Come-Again 10-Weeks' Stocks

This type is especially recommended for cutting. The plants branch freely, and send up numerous long spikes of fragrant double flowers in continuous succession. 1½ feet.

	Pkt.
Brilliant. Blood-red.....	\$0 15
Creole. Canary-yellow.....	15
La France. Rose.....	15
May Queen. Pale blue.....	15
Princess Alice. White.....	15
Sapphire. Violet.....	15
Victoria. Silvery lilac.....	15
Finest Mixed. All colors.....	15

Large-Flowering 10-Weeks' Stocks

This class is a favorite for outdoor bedding. 1 foot.

	Pkt.
Bright Pink.....	\$0 10
Blood-Red.....	10
Light Blue.....	10
Purple.....	10
Pure White.....	10
Canary-Yellow.....	10
Finest Mixed. All colors.....	10

Mammoth-Flowering Beauty Stocks

Particularly adapted for the greenhouse, to provide cut-flowers during the winter.

	Pkt.
Abundance. Carmine-rose.....	\$0 15
Beauty of Nice. Delicate flesh-pink.....	15
Bright Violet. Violet-blue.....	15
Crimson King. Brilliant crimson.....	15
Empress Elizabeth. Bright carmine.....	15
Monte Carlo. Canary-yellow.....	15
Queen Alexandra. Soft rosy lilac.....	15
Deep Lilac.....	15
White Lady. Snow-white; very double.....	15

SMILAX

A popular greenhouse climber with small, dark green foliage of great value for floral decoration. 8 to 10 feet. Pkt. 10 cts.; ¼oz. 20 cts.

SOLANUM

The Solanums are very ornamental, fruit-bearing plants, and thrive best in light rich soil. Fine for winter decoration in the house or conservatory, and especially desirable for the Christmas season. If used in the summer garden, give a very warm situation. 1 foot.

Capsicastrum (Jerusalem Cherry). Scarlet; fine for pots. Pkt. 10 cts.

Cleveland Cherry. A grand acquisition to this class of plants; grows more compact than the above and produces the scarlet berries in greater profusion. Pkt. 20 cts.; large pkt. 50 cts.

STATICE · Sea Lavender

The Sea Lavenders have become extremely popular, especially for cutting for house decoration. The cloud-like masses of flowers of the branching varieties make borders gay for a long time, while their delicate coloring and light graceful habit are a great help to helichrysms and other everlasting flowers.

	Pkt.	Large pkt.
Sinuata, Yellow (Bondueli). Golden yellow.....	\$0 10	\$0 30
Sinuata, Blue	10	30
Sinuata, Rosa superba. Bright rose.....	10	30
Sinuata, White	10	30
Latifolia. Hardy perennial with large branching heads of clear mauve flowers. Invaluable for the perennial border as well as for drying for winter decoration. Height 2 feet.....	10	40
Perennial Mixed	10	30

STEVIA

Serrata. Free-blooming plants for summer or winter use, bearing a profusion of fragrant white flowers that are excellent for cutting. 2 feet. Pkt. 10 cts.

STOKESIA · Cornflower Aster

This popular hardy perennial bears, all summer, large, attractive flowers resembling semi-double asters; fine for cut-flowers. 2 feet.

Cyanea. Lavender-blue. Pkt. 15 cts.



Statice sinuata

GIANT ZINNIAS are one of our leading specialties. See colored plate, page 35

SPENCER, OR ORCHID-FLOWERED SWEET PEAS

INOCULATE THIS
SEED WITH
MULFORD CULTURE

In exquisite form and range of beautiful colors there are no flowers to compare with Sweet Peas. New and more beautiful varieties are being constantly introduced. We offer the cream of the Spencer sorts that have been tested and found to be of true merit and distinct color; every color and shade is represented in the list below.

Make a trench 6 inches deep; in this sow the seed and cover 2 inches. As vines grow, gradually fill trench with soil, and thin to 4 inches apart. For early flowers sow in beginning of November in a dry situation, 6 or 8 inches deep, giving level culture. Make spring sowings just as soon as ground can be prepared. Sweet Peas should not be grown in same soil year after year.

	Pkt.	Oz.	1/4 lb.
Austin Frederick Improved. A lovely soft lavender; large flowers, beautifully waved.....	\$0 10	\$0 40	\$1 25
Barbara. Considered the finest salmon-colored sort. A conspicuous variety at all Sweet Pea exhibitions.....	10	40	1 25
Blanche Ferry. A good bicolor; standards pink, wings white.....	10	35	1 00
Charming. A first-class exhibition flower of remarkable size and ideal form. The color is a bright glowing cerise. The flowers are borne on very long stout stems with four-flowered sprays predominating.....	10	40	1 25
Colne Valley. A giant lavender-blue self, exquisitely frilled, and borne in fours on fine stems. A vigorous grower and free bloomer.....	10	35	1 00
Commander Godsall. Color an attractive shade of deep violet-blue. The flowers are large, of heavy substance, attractively waved and fluted, borne in fours on long stems. A free bloomer.....	10	35	1 00
Constance Hinton. The white flowers are of largest size, and best Spencer form. (Black seed.).....	10	35	1 00
Countess Spencer. Beautiful soft rose-pink. One of the best.....	10	35	1 00
Crimson King. (New.) Magnificent, large, rich, ox-blood-crimson flowers. A distinctly new shade of crimson—very bright.....	10	40	1 25
Elfrida Pearson. Continues to hold the fort among the newer varieties and is quite the best of the light pink self.....	10	35	1 00
Giant White. Large-flowered white variety. (Black seed.).....	10	35	1 00
Hawmark Cerise. Bright salmon-cerise.....	10	35	1 00
Hawmark Lavender. There is nothing quite so pure in lavenders as this fine new variety. Of exquisite form, with broadly expanded standard and large spreading wings. Blooms freely.....	10	40	1 25
Hawmark Salmon-Pink. A rich deep pink, attractively tinted with salmon and orange. The plants produce flowers of the largest size and finest form.....	10	35	1 00
Hercules. A magnificent, large, soft rose-pink self. Still a great favorite at Sweet Pea exhibitions.....	10	35	1 00
Jean Ireland. Beautiful cream-color, edged with pink.....	10	35	1 00
Mammoth. A blazing orange-scarlet, surpassing anything ever offered in this class before. It is a rich and gorgeous color. Awarded a Certificate of Merit by the National Sweet Pea Society of Great Britain.....	10	45	1 50
Mr. Tom Jones. Deep amethyst-blue. The best of the deep blues.....	10	35	1 00
Picture. The flowers are well waved and frilled. The color is a blend of cream and pink shades, having a deeper flush on the wings.....	10	35	1 00
Powerscourt. A pure lavender self with flowers of mammoth size, yet refined and well placed on long stems. Of vigorous and free-flowering habit, always carrying four flowers on a stem. We recommend this as one of the best of all lavenders.....	10	40	1 25
Renown. A new English variety with large flowers of a clear crimson-rose color. Blooms freely and carries four large blooms on a stem.....	10	35	1 00
Royal Purple. Rich, wavy, rosy purple; immense flowers.....	10	35	1 00
Sunset. A beautiful shade of soft rich rose, the base of the flower being lightened with a glowing yellow suffusion. Large, beautifully frilled, and very graceful.....	10	35	1 00
Tangerine Improved. Rich salmon-orange.....	10	40	1 25
The Cardinal. Intense poppy-scarlet.....	10	35	1 00
Valentine. A most pleasing shade of light pink. Beautifully waved and well placed on the long stout stems. It is unsurpassed for cutting or exhibition and is one of the best of this color.....	10	35	1 00
Youth. (New.) An extremely large white picotee-edged variety. The rose picotee edge is clear and is retained after cutting. A truly magnificent flower.....	10	45	1 50



Spencer, or Orchid-flowered Sweet Peas

SUPERB MIXTURE OF SPENCER SWEET PEAS

A superb blend of the better sorts. It will produce a lavish display of the largest and most attractive flowers in almost endless variety. Pkt. 10 cts.; oz. 20 cts.; 1/4 lb. 60 cts.; lb. \$2. For Early-Flowering Spencer Sweet Peas, see page 32.

DWARF CUPID SWEET PEAS

Compact plants growing 6 inches high and 12 to 15 inches in diameter, and from June until late summer are literally a sheet of bloom.

Finest Mixed. All colors. Pkt. 10 cts.; oz. 20 cts.; 1/4 lb. 60 cts.; lb. \$2.

HARDY or EVERLASTING SWEET PEA

See page 21



Sweet William

EARLY-FLOWERING SPENCER SWEET PEAS

The Winter-flowering Spencers are now grown almost exclusively for winter bloom and are in great demand by florists. They are equally desirable, however, for outdoor planting, as they come into bloom two to three weeks ahead of the standard Spencer varieties, and, if kept cut, will continue to bloom nearly as long.

Price, any of the following, pkt. 15 cts.; 1/2 oz. 50 cts.; oz. 75 cts.

Bluebird. A splendid rich, deep blue.

Glitters. Standard bright fiery orange; wings deep orange.

Heather Bell. The color is a rich but pleasing mauve, but after standing in water becomes a beautiful mauve-lavender.

Lavender King. A rich, true, deep lavender throughout.

Meadow Lark. Rich cream.

Mrs. A. A. Skach. Shell-pink; beautifully waved.

Mrs. Kerr. A most pleasing shade of salmon-pink overlaid and suffused with orange.

Pink and White, Early. Giant flowers of pink and white.

Rose Queen. A beautiful shade of rose-pink.

Snowstorm. Pure white. The blossoms are very large and of the best waved Spencer form.

Yarrow. Bright rose-pink; wings light pink; large; free bloomer.

Zvolanek's Rose. Bright rose-pink.

SWEET WILLIAM (*Dianthus barbatus*)

A well-known, free-flowering hardy perennial, bearing heads of fragrant, richly colored flowers.

Pink Beauty (Newport Pink). A beautiful shade of salmon-pink; very large Pkt. heads on long stems. \$0 15

Scarlet Beauty. Large heads of an intense scarlet color; very striking. 15

Holborn Glory. Giant-flowering varieties in finest assortment of colors. 15

Single White 1/4 oz. 25 cts. 10

Single Mixed 1/4 oz. 20 cts. 10

Double Mixed 1/4 oz. 50 cts. 10

IMPORTED COLLECTION: Six varieties, 50 cts.

SUNFLOWER · *Helianthus*

All the varieties we list are useful for cutting, especially the miniature sorts, which bear their flowers on slender stems and form neat bushes 3 to 4 feet in height.

Cucumerifolius (Miniature Sunflower). Small, single, rich yellow flowers. 1/4 oz. 25 cts. \$0 10

Cucumerifolius, Stella. Single; bright yellow with black center. 1/4 oz. 25 cts. 10

Cucumerifolius, Orion. Cactus-flowered; golden yellow, with pointed petals finely twisted and curled. 1/4 oz. 30 cts. 10

Red Sunflower. Dark-centered brilliant flowers, banded with bright chestnut-red, merging to yellow at the tips of the petals. 6 feet. 1/2 oz. 30 cts. 10

Double Californian (*H. californicus fl.-pl.*). Large, deep yellow flowers of perfect form. 6 feet. oz. 40 cts. 10

Globosus fistulosus. Rich saffron color; flowers large and double. 6 feet. oz. 40 cts. 10

Nanus fl.-pl. Dwarf, double orange flowers; 4 feet. oz. 40 cts. 10

THUNBERGIA · Black-eyed Susan

Beautiful, rapid-growing, annual climbers, used extensively in hanging-baskets, vases, etc. Very pretty flowers in buff, white and orange, with dark eyes. 4 feet. Pkt.

Alata. Flowers buff, with dark eye. \$0 10

Alata alba. White, with dark eye. 10

Aurea. Orange, with dark eye. 10

Mixed. All colors. 1/4 oz. 40 cts. 10

TRITOMA

Red-Hot Poker; Flame Flower; Torch Lily

Hybrida. A valuable half-hardy perennial border plant, easily raised from seed and flowers the same year. If sown in heat in January or February, the plants will commence to throw up their attractive scarlet and yellow flower-spikes in July or August. Most useful for the herbaceous border and for cutting. 3 feet. Pkt. 15 cts.

TORENIA

A beautiful free-flowering tender annual, splendid for vases, hanging-baskets, borders, etc. If started in heat in February or March, they commence to bloom in June and continue until frost. 10 inches.

Fournieri. Sky-blue, with three spots of dark blue and a bright yellow throat. 3 ft. 50 cts.

Hardy Perennial Sunflower

Mixed. A mixture of the finest single-flowering hardy perennial sorts. Seed sown early will produce flowering plants the first year. \$0 15

SWEET ROCKET · *Hesperis*

A desirable hardy perennial plant; excellent for naturalizing among shrubbery or for planting in a permanent border.

Mixed. Fragrant white and purple flowers. 2 to 3 feet. Pkt. 10 cts.; oz. 50 cts.

TAGETES

Signata pumila. A pretty little Marigold, forming a Pkt. 1/4 oz. compact, round bush, with slender fern-like foliage and densely covered with flowers of bright yellow, striped brown. A first-class border plant. \$0 10 \$0 50

Signata pumila, Golden Gem. A much-improved dwarf, compact variety. Flowers very freely produced and thrown well above the foliage. 15 75



Thunbergia makes a beautiful cover for fences



Mammoth Verbenas

VALERIANA

Garden Heliotrope

Showy, hardy border plants with large heads of white and red flowers on 3-foot stems, emitting a delicate heliotrope odor. Pkt. Mixed..... 1½ oz. 25 cts. \$0 10

VERONICA

Spicata (Speedwell). An elegant hardy perennial, growing 1½ feet high, bearing spikes of bright blue flowers in June and July. Pkt. 10 cts.

VINCA

Madagascar Periwinkle

Ornamental free-blooming plants, with dark laurel-like foliage and handsome pink and white flowers. Seed should be sown early and the plants will bloom the first summer. They can be taken up in the fall, potted, and kept in bloom through the winter. Seed germinates slowly. 1½ feet.

	Pkt.	1½ oz.
Rosea. Rose, dark eye.....	\$0 10	\$0 50
Alba. White, crimson eye.....	10	50
Alba pura. Pure white.....	10	50
Mixed	10	40

VIOLAS

Tufted Pansies

These have smaller flowers than the regular pansies, but bear them so profusely that they are preferred for bedding effects where color only is wanted. 6 inches.

Admirabilis. Compact, free-flowering, and very showy. Pkt. Mixed colors.....	\$0 15
Blue Perfection. Mauve, yellow eye.....	15
White Perfection. Pure white.....	15
Lutea splendens. Golden yellow.....	15
Purple Queen. Deep purplish blue.....	15
Scotch Strains. Choicest and newest bedding hybrids, mixed.....	25

MAMMOTH VERBENAS

Our choice strain of Mammoth Verbenas, one of the most effective bedding plants, is unsurpassed for its brilliant colors and immense flowers. The plants, of spreading growth, are just covered with large heads of beautifully colored flowers until late in autumn. Best results are obtained by sowing the seed early in the house or hotbed. Outdoor sowings may be made in May. Annual.

	Pkt.	1½ oz.
Pink	\$0 10	\$0 60
Purple	10	60
Scarlet	10	60
Striped	10	60
White	10	60
Yellow	10	60
Blue	10	60

COLLECTION: One pkt. each of above 7 colors, 60 cts. Pkt.

Mammoth Mixed. Containing all the colors. 1½ oz. 50 cts. \$0 10	
Helen Willmott. See Novelties and Specialties, page 5.....	25
Scarlet Queen. See Novelties and Specialties, page 5.....	25
Lucifer. A deep cardinal scarlet of Mammoth Verbenas.....	25
Rose Queen. See Novelties and Specialties, page 5.....	25
Verbenas hybrida compacta, Royal Bouquet. See Novelties and Specialties, page 5.....	35
Hybrida gigantea. A wonderful mixture of large-flowering varieties. The flowers are gigantic and with white eye; the reds particularly attractive.....	15

Various Verbenas

Citriodora (Lemon-scented Verbenas). An old favorite with fragrant evergreen leaves. 3 feet.....	15
Erinoides (Moss Verbenas). Elegant little spreading bushes with finely cut foliage and pretty heads of purplish rose bloom, changing to Oxford blue.....	10
Erinoides alba. Of the same character as above, but with white flower-heads.....	10
Venosa. Largely used for bedding purposes; strong, thrifty growers covered with bright purplish heliotrope flowers. 1 foot.....	10

WALLFLOWER

Well-known, deliciously fragrant, half-hardy perennials, blooming early in the spring, with spikes of beautiful flowers. They should be protected in a coldframe in the winter and planted out in April.

Early Paris Market. This variety, if sown in March, will bloom in July.....	\$0 10
Bronze King. Flowers reddish bronze, very early, suitable only for growing indoors for winter blooming.....	20
Single Mixed. All colors.....	10
Double Finest Mixed	15

IMPORTED COLLECTION OF SINGLE WALLFLOWERS. Eight colors, 60 cts.

XERANTHEMUM

Double Mixed. Beautiful Everlasting Flowers, easy to grow. Pkt. Sow in spring where they are desired to bloom. The flowers, of bright rose, purple, or white, are borne on long, slender stems, and retain their color when cut and dried. Much prized for winter decorations. 1½ oz. 30 cts. \$0 10



Wallflowers



Double Giant-Flowered Zinnia

WATERER'S SUPERB DOUBLE GIANT-FLOWERED ZINNIAS

Youth and Old Age

The Double Giants grow to a height of 3 feet and bear enormous double flowers which often attain a diameter of 4½ to 5 inches. Although tall and erect in growth, they are sturdy and well rooted and require no support. From seed sown in early spring they commence to bloom in July and continue until October.

	Pkt.	½ oz.
Giant Scarlet.....	\$0 15	\$0 50
Giant White.....	15	50
Giant Crimson.....	15	50
Giant Flesh-Pink.....	15	50
Giant Golden Yellow.....	15	50
Giant Orange.....	15	50

	Pkt.	½ oz.
Giant Canary-Yellow.....	\$0 15	\$0 50
Giant Salmon-Pink.....	15	50
Giant Purple.....	15	50
Giant Violet.....	15	50
Giant Mixed.....	15	40
	Oz. \$1.25	

IMPORTED COLLECTION: Eight colors, \$1

DOUBLE DAHLIA-FLOWERED ZINNIAS

Illustrated in color on page 35

This type, the latest development in Zinnias, bears flowers of mammoth size and in form like a perfect decorative Dahlia.

	Pkt.	Large pkt.		Pkt.	Large pkt.
Buttercup.....	\$0 20	\$0 50	Exquisite.....	\$0 20	\$0 50
Dream.....	20	50	Oriole.....	20	50
Crimson Monarch.....	20	50	Scarlet Flame.....	20	50

For descriptions of above varieties, see Novelties and Specialties, page 5.

COLLECTION: One pkt. each of above 6 colors, \$1 Mixed. All colors. Pkt. 15 cts.; large pkt. 50 cts.; oz. \$2.

DWARF DOUBLE ZINNIAS

Especially recommended for bedding. The plants grow about 2 feet high, branching freely and blooming abundantly. The flowers, while not quite so large as our Giants, are perfectly double and very attractive.

	Pkt.	½ oz.
Crimson.....	\$0 10	\$0 25
White.....	10	25
Flesh-Pink.....	10	25
Salmon-Rose.....	10	25
Canary-Yellow.....	10	25
Golden Yellow.....	10	25
Mixed.....	10	20

VARIOUS ZINNIAS

Achievement. Distinct tubular and cactus-like florets; rich variety of shades. \$0 15
Picotee. Similar in size and habit to the Double Giants, these new Zinnias are characterized by their unique color pattern. The flowers come in a great variety of soft shades with each petal distinctly tipped with darker color. Mixed..... 15

Rose King. Beautiful carmine-rose; immense flowers. 15

Victory. A very distinct variety with large densely double quilled flowers. The colors are mostly in russet, orange, old-rose and other autumn tints. 15

Curled and Crested. Large, double flowers; petals twisted and curled.

1½ feet. Mixed colors. 15

Red Riding-Hood. Miniature double flowers; intense scarlet. 1 foot. 10



Curled and Crested Zinnia



Picotee Zinnia

MIXED FLOWER SEEDS FOR THE WILD GARDEN

A most interesting way in which to grow annual flowers is to reserve a portion of your grounds for a Wild Flower Garden and sow mixed seed in it. For this purpose we offer a collection of easily grown annuals which will furnish a profusion of bloom throughout the season, without the attention necessary for more formal plantings. This mixture will be found valuable for sowing in bare spots, along fences and on embankments, and will convert many an unsightly spot into a place of beauty. Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. \$2.50.

Cut-Flower Garden Mixture. Pkt. 10 cts.; oz. 30 cts.; ¼ lb. \$1.

For Novelties in Flower Seeds, see pages 4 and 5

Waterer's Giant Dahlia-flowered Zinnias



The Last Word in These Popular, Easily Grown Flowers

1. Exquisite
2. Dream

3. Scarlet Flame
4. Buttercup

5. Oriole
6. Crimson Monarch

Each, pkt. 20 cts.

COLLECTION: One pkt. each of above 6 varieties, \$1

Delicious Standbys for the Kitchen-Garden

GOLDEN BANTAM CORN

The most popular early Sweet Corn on the market, and a variety that should be in every garden. The ears are small but they are filled from tip to butt with large yellow kernels. The illustration shows how well the ear is filled. Pkt. 10 cts.; $\frac{1}{2}$ lb. 20 cts.; lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.50.

HUNDREDFOLD PEA

It is the best-flavored and the largest-podded dwarf-growing sort in existence. It is ready about three days after the earliest sorts, and bears an enormous crop of handsome, intensely dark green, fairly broad and pointed pods, 4 inches long, containing about eight large, dark green Peas of excellent quality. The vines are 16 inches high, sturdy, and resist heat well. Lb. 50 cts.; 2 lbs. 95 cts.; 5 lbs. \$2.25.

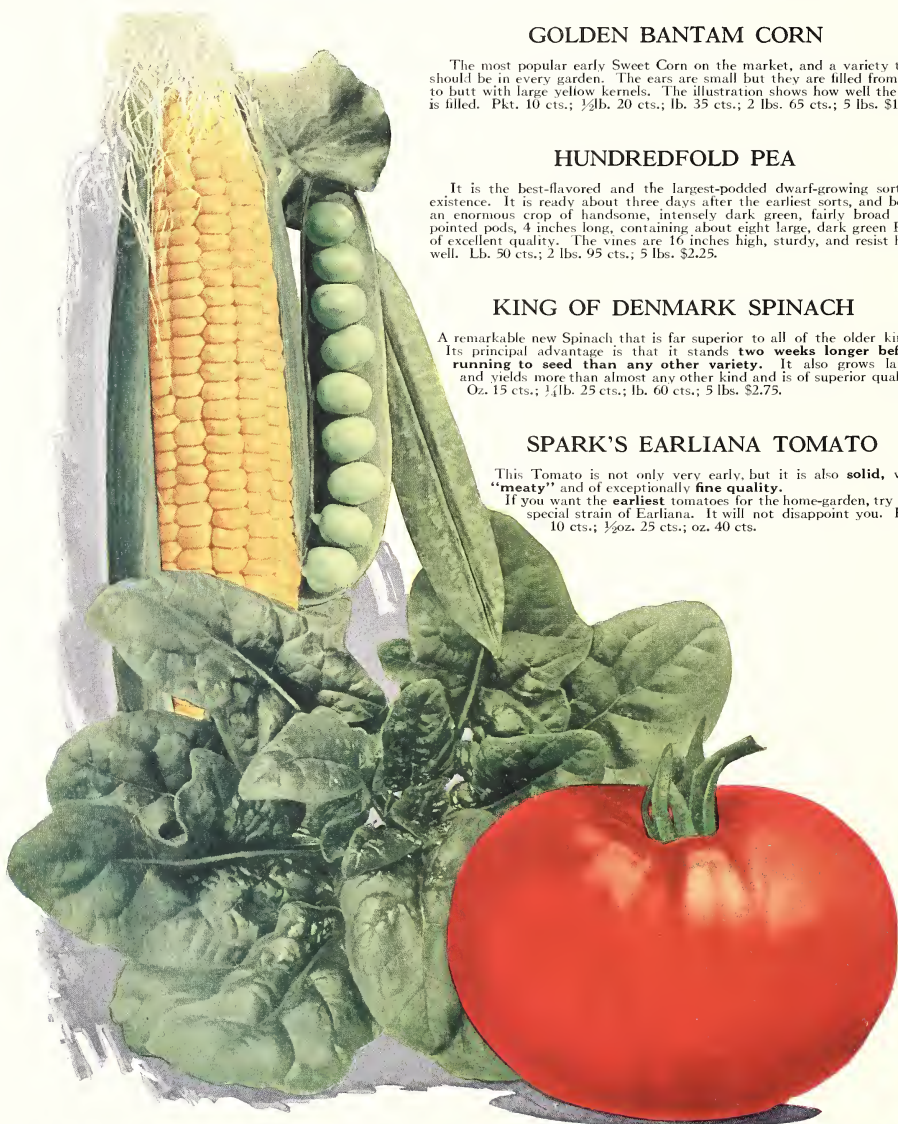
KING OF DENMARK SPINACH

A remarkable new Spinach that is far superior to all of the older kinds. Its principal advantage is that it stands **two weeks longer before running to seed than any other variety.** It also grows larger and yields more than almost any other kind and is of superior quality. Oz. 15 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 60 cts.; 5 lbs. \$2.75.

SPARK'S EARLIANA TOMATO

This Tomato is not only very early, but it is also **solid**, very "meaty" and of exceptionally **fine quality.**

If you want the **earliest** tomatoes for the home-garden, try this special strain of Earliana. It will not disappoint you. Pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.





Garden Vegetables

All prices are
subject to change
without notice



ASPARAGUS SEED

CULTURE. Sow the seed as early in spring as the soil can be worked, in drills 1 foot apart, and, when well started, thin out to 3 inches apart. When one to two years old, transplant into permanent beds, which should be well and deeply manured and trenched to a depth of 1½ feet. Set the plants in rows 3 feet apart, and not less than 1½ feet apart in the row. Care should be taken that the roots are well spread, and set at a depth of 6 inches below the level of the bed. Cover only 2 or 3 inches, and fill in gradually as the plants grow. Very little, if any, should be cut the first year after transplanting, but a fair crop can be cut the second year. Every fall after the tops have been cut down, apply a dressing of coarse manure, and in the spring fork it in. An occasional top dressing of salt at the rate of one-half pound per square yard is also beneficial.

ARGENTEUIL. This variety is largely grown in France for the Paris market. Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. \$1.50.

BARR'S MAMMOTH. A quick grower with very large stalks. Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. \$1.

CONOVER'S COLOSSAL. The standard variety; large and very prolific. Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. \$1.

PALMETTO, or ECLIPSE. An early, prolific, and very desirable variety. Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. \$1.

Pedigreed Washington. It is rust-resistant, particularly vigorous, and of wonderful quality. The shoots are large, straight, dark green in color, and with a heavy purple overtone; the tight, firm tips do not begin to open out until well out of the ground. Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. \$2.50.

ASPARAGUS ROOTS

It requires 100 plants for a single row of 150 feet

	Doz.	100	1,000		Doz.	100	1,000
Argenteuil.....	\$0 30	\$1 25	\$10 00	Palmetto, or Eclipse..	\$0 30	\$1 25	\$10 00
Barr's Mammoth....	30	1 25	10 00	Pedigreed Washington	50	1 75	15 00
Conover's Colossal...	30	1 25	10 00				

Above prices are for 2-year-old roots

ARTICHOKE

CULTURE. Sow seed in hotbed in February or March, in rows 6 inches apart. Transplant, when large enough, into boxes or pots. After danger of frosts is past, plant in the open ground, in rows 3 feet apart, 2 to 3 feet apart in row, care being taken to press firmly in the ground, but do not plant too deep.

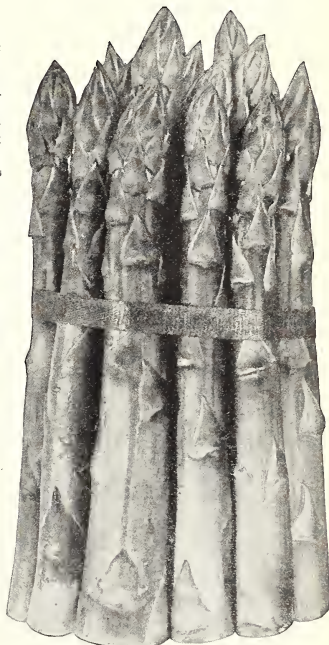
LARGE GLOBE, or PARIS. The best of all Artichokes. Pkt. 10 cts.; ¼ oz. 15 cts.; oz. 50 cts.

JERUSALEM ARTICHOKE. Distinct from the Globe, and propagated by and for its tubers. Lb. 20 cts.; 5 lbs. 85 cts.; 25 lbs. \$2.75.

BROCCOLI

Requires the same treatment as cauliflower. The heads are tender, white, and of delicate flavor.

LARGE WHITE FRENCH. Heads white, very compact, and hard. Pkt. 10 cts.; ½ oz. 30 cts.; oz. 50 cts.



Pedigreed Washington Asparagus

INOCULATE BEANS AND PEAS WITH
MULFORD CULTURES

BEANS

One pound will plant
about 100 feet of drill

INOCULATE THIS
SEED WITH
MULFORD CULTURE

Beans should not be planted too early, as they are very sensitive to cold and wet. Plant about the middle of April, when warm and favorable, and at intervals throughout the season for a succession until the latter part of August. Bush varieties should be planted in rows 2 feet apart, and the Beans 2 inches apart and 2 inches deep in the rows. Keep them well cultivated and draw the earth up to the stem, but only when dry.

DWARF GREEN-PODDED BEANS

Bountiful. This is the best of the flat-podded, stringless varieties. The light green pods are $6\frac{1}{2}$ to 7 inches long, stout, flat, somewhat curved, absolutely stringless, attractive, and of very fine quality. At the same time it is very early, vigorous, hardy, and a heavy yielder. Pkt. 10 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.75.

EXTRA-EARLY RED VALENTINE. This is the earliest of all green Bush Beans. The pods are round, slightly curved, very meaty, pale green in color, and semi-transparent. The plants bear abundantly and the Beans remain fit for use a long time. Pkt. 10 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.50.

MASTERPIECE (SUTTON'S). A superior green, round-podded variety; very prolific; long, straight, stringless pods; very early, fine forcer. Our imported stock of this exceptionally fine variety has given great satisfaction wherever tried. Pkt. 15 cts.; lb. 50 cts.; 5 lbs. \$2.

***Stringless Green-Pod.** This Bean is very early, productive, hardy, and vigorous. The pods average about 5 inches in length, straight, stout, round, crease-backed, and of a dark green color. They are tender, brittle, of the finest flavor and quality, and strictly stringless. Pkt. 10 cts.; $\frac{1}{2}$ lb. 25 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.50.

GIANT STRINGLESS GREEN-POD. Somewhat similar to Stringless Green-Pod, but pod is a little longer, straighter, more slender, and slightly lighter in color; early, hardy, and of highest quality. Pkt. 10 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.75.

CANADIAN WONDER. The finest forcing Bean. A great favorite, both for table and exhibition. Produces an abundance of very long fleshy pods of superb quality. Pkt. 15 cts.; lb. 50 cts.; 5 lbs. \$2.

FULL MEASURE. A second-early, round-podded, stringless variety of recent introduction. The pods are good length, bright green in color, and entirely stringless. Very prolific and of excellent quality. Pkt. 10 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.50.

BLACK VALENTINE. Very popular on account of its extreme hardiness and earliness. The pods are long, smooth, straight, round, and of a bright green color. Pkt. 10 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.75.

REFUGEE, EXTRA-EARLY. A very hardy, early, and productive type of Refugee. Pods 4 to 5 inches long, uniform, round, and slightly crease-backed, brittle, and light grained; quality good; color light green. Pkt. 10 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. \$1.40.

DWARF WAX, OR YELLOW-PODDED BEANS

Wardwell's Kidney Wax. Plants of this bean grow about 15 inches high; vigorous and very productive. The pods are straight, almost flat, and from $5\frac{1}{2}$ to 6 inches long. They are fleshy, brittle, fine-grained, stringless, and of a rich golden yellow color, and are of good quality and very attractive. Pkt. 10 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.75.

***IMPROVED RUSTPROOF GOLDEN WAX.** A strong grower; free from rust. Pods meaty and well filled, semi-round, rich yellow, fine quality; entirely stringless. Pkt. 10 cts.; $\frac{1}{2}$ lb. 25 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.50.

PENCIL-POD BLACK WAX. Long, light golden yellow pods, very tender and brittle. Pkt. 10 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.50.

Stringless Refugee Wax. The pods are round, pencil-like, and are always stringless. The color is a rich golden yellow, and the quality is excellent. Pkt. 10 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. \$1.50.

CURRIE'S RUSTPROOF WAX. Early and productive. The pods grow long, flat, are very tender, and of the finest quality. Pkt. 10 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.50.

BURPEE'S NEW KIDNEY WAX. Long, handsome pods which are remarkable for their meatiness, fine flavor, brittleness, and freedom from strings. Pkt. 10 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.50.

SURE-CROP WAX. A stringless dwarf Wax Bean, very tender and of excellent quality. Pkt. 10 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.50.

DWARF BEANS FOR SHELLING (WINTER USE)

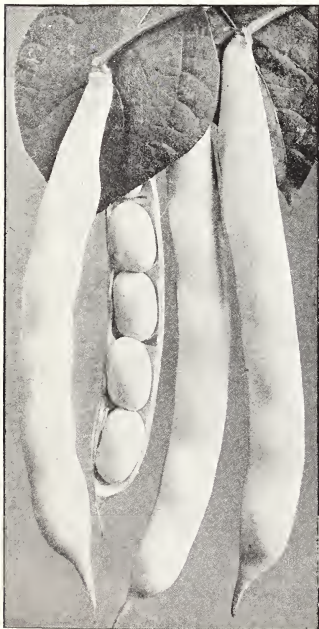
***BOSTON SMALL PEA BEAN.** Commonly known as the Boston or Navy Bean. While the pods can be used like those of every other String Bean, they are not so tender, and this sort is cultivated principally for shelling. This is the standard sort for winter use. Fine for baking. $\frac{1}{2}$ lb. 20 cts.; lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.25.

***LARGE WHITE MARROW.** Large, oval-shaped, white Beans, grown like the Boston Bean as a field crop for baking. The dried Beans are larger than Boston and very meaty. $\frac{1}{2}$ lb. 20 cts.; lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.25.

***RED KIDNEY.** Fine variety for baking. $\frac{1}{2}$ lb. 20 cts.; lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.25.



Bountiful Beans



Large White Marrow Beans

PLEASE NOTE. Only varieties of Beans marked * can be supplied in $\frac{1}{2}$ lb. packages

BUSH LIMA BEANS

INOCULATE THIS
SEED WITH
MULFORD CULTURE

The Dwarf Lima class cannot be recommended too highly. The Beans can be grown and gathered much more easily than the Pole Limas as the plants require no support. They can also be grown closer together than those of any Pole variety. Dwarf Limas are fully equal in quality to Pole Limas and as a rule are earlier maturing. Limas require a longer season for maturing than other garden Beans. Plant when ground is dry, weather warm, and danger of frost is over. Select rich, light soil. Plant in drills 2 to 3 feet apart, dropping the Beans 3 to 4 inches apart and covering $1\frac{1}{2}$ to 2 inches deep.

One pound will plant 50 feet of row

***Fordhook.** The Fordhook is entirely distinct in habit of growth. The stiffly erect bushes branch freely and bear tremendous crops. It is ready for use as early as the popular Burpee's Bush Lima, but the Beans are much plumper and remain green much longer. The green Beans are thick and meaty and are closely packed in the pods, which shell very easily. Pods are borne in clusters of from four to six, average 4 to 5 inches long, and usually contain four tender Beans of a delightful flavor. Pkt. 10c.; $\frac{1}{2}$ lb. 30c.; lb. 50c.; 2 lbs. 90c.; 5 lbs. \$2.

BURPEE'S IMPROVED. Differs from the original Burpee's Bush Lima in having much larger pods and producing more Beans, while both pods and Beans are not only larger in size but also considerably thicker. The pods measure 5 to 6 inches long, and even when of full size the enormous Beans are of the most delicious flavor. Pkt. 10c.; lb. 50c.; 2 lbs. 90c.; 5 lbs. \$2.

DREER'S or KUMERLE. An excellent large-seeded variety. Pods thick and large, each containing three to five thick Beans of the best quality. Pkt. 10c.; lb. 50c.; 2 lbs. 90c.; 5 lbs. \$2.

DREER'S WONDER. The plants are upright and compact in growth, and are completely covered with large pods. Pkt. 10 cts.; lb. 50 cts.; 2 lbs. 90 cts.; 5 lbs. \$2.

HENDERSON'S. A dwarf form of the Sieva Lima, valuable for its earliness. Pkt. 10 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. \$1.75.

POLE OR RUNNING BEANS

Pole Beans are tender and should be sown two weeks later than Bush. They succeed best in sandy loam, liberally enriched with manure. Form hills 3 to 4 feet apart; plant three to six Beans in a hill, 2 inches deep, leaving space in center for the pole. When well started, thin to from two to four plants in the hill.

***Kentucky Wonder, or Old Homestead.** Long, flat green Beans, 7 to 9 inches in length, fleshy and stringless. Heavy yielder. Pkt. 10 cts.; $\frac{1}{2}$ lb. 25 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. \$1.50.

LAZY WIFE. The dry Beans are excellent for winter use. Pkt. 10 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. \$1.50.

WHITE DUTCH CASE-KNIFE. Good as a Shell Bean, either green or dry. One of the earliest and very productive. Pkt. 10 cts.; lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.50.

WHITE CREASEBACK or BEST OF ALL. Early green-podded variety, productive, and of fine quality. Pkt. 10 cts.; lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.50.

SCARLET RUNNER. A favorite, both for its quality as a Snap Bean and also for its flowers, which are a bright scarlet. Pkt. 10 cts.; lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.50.

***EARLY GOLDEN CLUSTER WAX.** An early sort, producing an abundance of bright golden yellow pods, which are thick, fleshy, and tender. Pkt. 10 cts.; $\frac{1}{2}$ lb. 30 cts.; lb. 50 cts.; 2 lbs. 90 cts.; 5 lbs. \$1.75.

KENTUCKY WONDER WAX. Similar to the Kentucky Wonder, or Homestead Green Pod, except in the color of pods, which in this one are light waxy yellow. It has a thick, broad pod, very tender, of delicious flavor and stringless. Pkt. 10 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.75.

POLE LIMA BEANS

These require poles 8 to 10 feet long. Plant in hills 3 to 4 feet apart each way, and 2 inches deep, allowing four to six seeds to each hill. When the plants are well established they should be thinned out to three. They are more sensitive to cold than the Bush Beans, and should not be planted before the middle of May.

One pound will plant about 50 hills

CARPINTERIA. A very fine, vigorous, strong-growing Lima. Very productive, and the Beans—usually four to the pod—are much larger and thicker than ordinary Limas and retain their distinctively green tinge. Pkt. 10c.; lb. 45c.; 2 lbs. 85c.; 5 lbs. \$1.75.

***King of the Garden.** A vigorous and productive sort; pods very long, each containing five to six large Beans of delicious flavor. Pkt. 10 cts.; $\frac{1}{2}$ lb. 25 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.75.

EARLY JERSEY. This variety matures a few days earlier than the King of the Garden Lima. Pkt. 10 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.75.

Waterer's Evergreen. Vines are vigorous and make strong growth, producing large quantities of pods containing four large Beans. These are thicker than the ordinary Lima and have a decided green tinge, even when old, which they retain after cooking; unsurpassed in flavor. Pkt. 10c.; lb. 50c.; 2 lbs. 90c.; 5 lbs. \$2.

DREER'S IMPROVED, or CHALLENGER. The vines of this variety are vigorous and productive, the pods thick and contain four to five Beans of excellent quality. Pkt. 10 cts.; lb. 50 cts.; 2 lbs. 90 cts.; 5 lbs. \$2.

SMALL, or SIEVA. Very productive. Beans small, good quality. Pkt. 10 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. \$1.75.

BRUSSELS SPROUTS

A species of the cabbage family, which produces miniature heads from the sides of the stalk. These heads are a great delicacy, cooked in the same way as cauliflower. Sow seed about the middle of May, in a seed-bed, and the plants afterwards set in rows 2 feet or more apart, and cultivated like cabbage.

LONG ISLAND HALF DWARF. Produces compact sprouts of finest quality; a good keeper. Pkt. 10 cts.; oz. 30 cts.

"EXHIBITION." Produces an abundant crop of large, solid sprouts, delicious in flavor, which come early to maturity. Pkt. 10 cts.; oz. 35 cts.

MATCHLESS. Excellent for general use. Plants robust, very hardy, the stems are covered with compact globular sprouts of excellent flavor. Pkt. 10 cts.; oz. 35 cts.



Kentucky Wonder Pole Beans



Pole Lima Beans



Brussels Sprouts

TABLE BEETS

Beets possess great food-value and are easily grown. Extensive plantings should be made to provide for summer and winter use. Sow as early as the ground can be worked, in rich or well-manured garden soil which has been deeply plowed or spaded. Sow in drills $\frac{1}{2}$ to 1 inch in depth, allowing a space of $1\frac{1}{2}$ feet between rows for cultivation. Successive sowings can be made until July. During the summer it is advisable to soak the seed over night in water before planting. Sow rather thickly and when plants are 2 to 3 inches high, thin out to 4 or 5 inches between plants. The young plants which you take out need not be wasted, they are, in fact, superior to spinach for greens. The varieties we offer are greatly improved and will produce fine smooth roots of excellent quality.

One ounce will sow 50 feet of drill; 5 to 6 pounds for an acre

Crosby's Egyptian. A carefully selected strain of Egyptian, as early as the original, but larger, thicker, smoother, and of better quality. Flesh deep blood-red. It is a rapid grower, attaining a usable size quicker than almost any other variety, and does not become woody with age. Profitable in almost any soil and extremely satisfactory for the small gardener as well as for the market. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

CRIMSON GLOBE. This fine variety is of medium size, perfect globe shape, and is produced very uniformly, with smooth skin, small tops, and a rich dark blood-red color, slightly zoned. It is very tender and sweet. Pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.25.

BASTIAN'S EARLY BLOOD TURNIP. Tops small; roots turnip-shaped; flesh tender, blood-red color. An extra-good medium-early variety. Pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.25.

Detroit Dark Red. This superb variety is one of the most popular red Turnip Beets, not only for market gardeners, but for home use. It is also one of the best for canning. Top small, upright growing, so that the rows may be close together; leaf-stem and veins dark red, blade green; root globular and very smooth; color of skin dark blood-red; flesh deep, bright red, zoned with a darker shade, very crisp, tender and sweet, remaining so for a long time. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

EARLY ECLIPSE. This variety is exceedingly popular and is one of the best early sorts. The tops are small, admitting of close planting, and the roots are globular in shape. Flesh smooth and of fine color and perfect globe shape; flesh extremely smooth and of fine color and perfect globe shape; flesh remarkably sweet and tender. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

EARLY BASSANO. A very early flat variety; flesh white and rose-colored; very sweet. Pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 40 cts.; lb. \$1.25.

Early Wonder. This is an early sort, being ready a few days ahead of Crosby's Egyptian. It is a turnip-shaped variety of very uniform type and is always smooth. Flesh is a beautiful deep red color and is of excellent quality. Tops are small and erect and it may therefore be planted closer than most other sorts. Pkt. 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 65 cts.; lb. \$2.

HALF-LONG BLOOD. Of bright color and excellent quality. For winter use sow early in July. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

LONG DARK BLOOD. A good late variety for fall and winter use; sweet and tender. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

Winter Keeper. Almost globe-shaped; rich dark red, tender and sweet; one of the best Beets to keep for a winter supply. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 85 cts.; lb. \$2.75.

SWISS CHARD OR SPINACH BEET

One ounce will sow 50 feet of row

GIANT LUCULLUS. Swiss Chard is used extensively, either as greens or in the same manner as asparagus, when only the rib is eaten. It may also be cooked and eaten like Spinach. Seed may be sown in April or May, in drills $1\frac{1}{2}$ feet apart and $1\frac{1}{2}$ inches deep. Thin the plants to 6 inches apart and cultivate the same as for the common beet. The outer leaves should either be cut off close to the base of the plant or pulled off when young, and may be picked continuously from June until frost, for when the leaves are cut others take their places very rapidly. Pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.25.



Swiss Chard



Long Red Mangel-Wurzel

MANGEL-WURZEL AND SUGAR BEET

Used for feeding stock. Sow in May or June, in rows 3 feet apart, and thin to 8 inches apart in the row.

One ounce sows 50 ft. of drill; 6 pounds an acre

Mammoth Prize Long Red. The largest and heaviest cropper of all whitish flesh. Oz. 10 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 60 cts.; 5 lbs. \$2.50.

GOLDEN TANKARD. An enormous yielder of weight per acre, and at the same time very nutritious. Flesh deep yellow. Oz. 10 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 60 cts.; 5 lbs. \$2.50.

IMPROVED WHITE SUGAR BEET. Does not grow quite so large as the Mangels, but is much sweeter and unsurpassed as a feed for milch cows, greatly improving the quality and yield of the milk. Oz. 10 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 60 cts.; 5 lbs. \$2.50.

CABBAGE

For very early use, sow in January or February in hotbeds; prick out when the plants are strong enough into other hotbeds, or sow in hotbeds in March. Transplant to the open ground when danger from killing frosts has passed, in rows 2 feet apart and $1\frac{1}{2}$ feet from plant to plant. For succession, sow in the open ground the last of March or early in April. The autumn and winter varieties may be sown in April or early in May, in shallow drills 3 to 4 inches apart; transplant early in July, making the rows about $2\frac{1}{2}$ feet apart, and setting the plants 2 feet apart in the rows. Cabbage succeeds best in a fresh, rich soil, well manured, and deeply dug or plowed.

One ounce should produce about 2,500 plants

Copenhagen Market. The finest, large, round-headed early Cabbage. The heads average about 10 pounds, are solid, and of fine quality. It matures as early as Charleston Wakefield, and will give a heavier yield per acre. Pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.; $\frac{1}{4}$ lb. \$1.15.

Selected Early Jersey Wakefield. The standard early variety; conical in shape; medium-sized heads; very solid. Pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.; $\frac{1}{4}$ lb. \$1.15.

Babyhead. Extreme earliness and small size are characteristic of this new variety. The head is less than 6 inches across, round, firm, and of splendid mild cooking quality. The outer leaves are few and small, and the stem is short. Babyhead is recommended as the first to reach the table when grown outdoors and also for growth under glass, for which purpose it is ideal. Pkt. 15 cts.; $\frac{1}{2}$ oz. 40 cts.; oz. 75 cts.



Selected Early Jersey Wakefield Cabbage

CHARLESTON or LARGE WAKEFIELD. Not quite as early as the regular Jersey Wakefield; heads considerably larger, very solid, and not so pointed. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.

WINNIGSTADT. Well-known and popular Cabbage. In season very close to early Jersey Wakefield. Heads large, decidedly conical; solid, even in summer; almost worm-proof, because so hard. A very sure header. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.

EARLY SUMMER. A second-early Cabbage which matures about ten days after the Jersey Wakefield. It makes a large, solid, flattish head, with short outer leaves. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.

SUCCESSION. This popular second-early sort is about ten days later than Early Summer, larger in growth, and heads more uniform. It is an excellent keeper and in color an attractive light green. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.

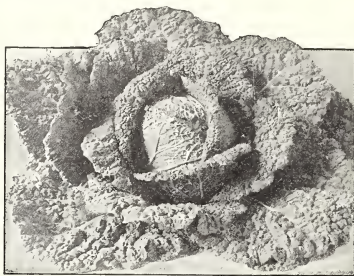
GLORY OF ENKHUIZEN. Very desirable on account of its earliness, sure-headedness, and fine keeping quality. The heads are of large size and solid. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.

Danish Ballhead. A well-known variety on account of its solid heads and unsurpassed keeping qualities. Heads are of medium size with few outer leaves, hence its name, "Ballhead." Solid, crisp, tender, with small amount of waste. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.

DANISH ROUNDHEAD. Similar to Danish Ballhead, but slightly larger and about two weeks earlier. Very hard and heavy. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.

Selected Late Flat Dutch. A popular late variety. Its keeping qualities are unsurpassed. For market and family use this variety is more extensively cultivated than any other. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.

LARGE LATE DRUMHEAD. A favorite winter variety. The heads grow very large and heavy. They are solid, of good quality and texture, and have very few loose leaves, allowing of planting closely in the field. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 90c.



Savoy Cabbage

SAVOY CABBAGE

Perfection Drumhead Savoy. The hardest heading and best Savoy, possessing the rich flavor of the cauliflower. Pkt. 10c.; $\frac{1}{2}$ oz. 20c.; oz. 35c.; $\frac{1}{4}$ lb. \$1.

RED CABBAGE

Mammoth Rock Red. This late standard variety produces very solid, 10-pound heads of intense dark red color. The plant is large, with numerous spreading leaves and is sure heading. Used very largely for pickling on account of its excellent flavor and attractive color. Produces the largest head of any of the red varieties. Pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.; $\frac{1}{4}$ lb. \$1.25.

RED DRUMHEAD. The standard pickling variety and a good keeper. Heads large, rounded in shape, solid, and of a fine, deep red color. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.

CHINESE, OR PE-TSAI CABBAGE

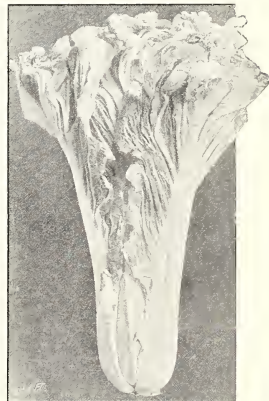
This is often called "Celery Cabbage" on the market, and when well grown resembles cos lettuce. The leaves, when young, are crimped and of a light green color.

The plant, as it becomes older, grows more upright and forms heads much like cos lettuce.

The inner leaves blanch an attractive light yellow or creamy white with very white midribs.

It has a distinctive flavor, very mild and pleasant. It can be served as a salad like lettuce or cooked like other Cabbages.

Sow seed after July 1, in drills, 20 inches apart, and thin the seedlings two or three times, or, if grown for the market, start in boxes and transplant like late Cabbage. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 35 cts.



Pe-Tsai, Chinese Cabbage

CARDOON

Sow early in the spring and transplant in trenches of well-manured ground, 3 feet apart and 1 foot apart in the rows; when full size, bind the plant together and earth up the same as celery.

LARGE SOLID. Grows about 4 feet high and is almost entirely spineless. Pkt. 10 cts.; oz. 30 cts.

ALL PRICES SUBJECT TO MARKET CHANGES

CARROT

A sandy, rich loam, deeply cultivated, is the best soil for Carrots. For home-gardens, sow in rows 1 foot apart and thin to 2 to 3 inches apart in the row; for field-culture, 2 to 2½ feet between rows. Cover ½ inch and thin to 3 to 4 inches between plants.

One ounce will sow 100 feet of drill;
3 to 4 pounds for an acre

Danvers Half-Long Orange.

A first-class variety. The smooth, handsome roots are of medium length, tapering uniformly to a blunt point; flesh dark orange, sweet, crisp, and tender. Valuable for market-gardeners; also as a field crop. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. \$1.50.

EARLIEST FRENCH FORCING.

The earliest of all varieties, and especially adapted for cultivation under glass, both on account of its earliness and the shortness and small size of its roots. Delicate, fine-grained, and remarkably fine flavored. Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 60 cts.; lb. \$1.75.

EARLY SCARLET HORN.

For forcing and early garden use; flesh deep orange, fine grained. May be planted very early and is an excellent summer variety. Tops small and roots grow about 2 inches long. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. \$1.50.

Nantes Half-Long. (Improved.) Sweet, fine flavored, almost without a core; very fine grained; excellent for the home-garden or market. One of the finest in quality and handsomest in shape of the medium-sized sorts. Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 60 cts.; lb. \$1.75.

CHANTENAY, or MODEL. An excellent Carrot for summer and winter use. It is finely shaped, half-long, blunt-pointed, with a small top, and the roots run very even in shape and size—about 5 to 6 inches long. The skin is clean, smooth, and of a deep orange color. Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 60 cts.; lb. \$1.75.

ST. VALERY. One of the best and handsomest main-crop Carrots and enormously productive. The roots are symmetrical, tapering regularly from the shoulder to tip, smooth, and free from side roots. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. \$1.50.

IMPROVED LONG ORANGE. Most popular of the long sorts. Deep orange color; about 3 inches thick at the top and about 1 foot long, tapering to a point. Very productive. It is a good keeper, of fine quality for winter use, and extensively grown for stock feeding. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. \$1.50.

LARGE WHITE BELGIAN. The roots grow partly above ground and are thick through, yielding a heavy crop which should be harvested before frost. It is a field Carrot and grown only for stock feeding. Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.

CHERVIL

CURLED. The curled Chervil is cultivated like parsley and used for garnishing and flavoring soups and salads. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.



Nantes Half-Long
Carrot



Snowball Cauliflower

CAULIFLOWER

Cauliflower succeeds well in any soil where cabbages will grow, but it delights in a rich soil and abundance of water. Sow the seed in a hotbed in January or February, and when the plants are large enough, transplant 3 inches apart in boxes or in other hotbeds until time to plant out. If hardened off they are seldom injured by planting out as early as the ground can be properly prepared, in rows about 2½ feet apart, and 2 feet between the plants. Cauliflower succeeds best when planted in frames at the close of winter, and brought to maturity before the summer heat sets in. Late varieties, which mature in autumn, are sown and managed like winter cabbage.

Early Snowball. One of the best types of Cauliflower on the market. Its compact habit of growth renders it a very profitable variety to force under glass, and it does well for late planting, as well as for early crops. It is a sure header. Pkt. 25 cts.; large pkt. 50 cts.; ¼ oz. \$1; ½ oz. \$1.75; oz. \$3.

EARLIEST SNOWSTORM. A splendid dwarf early variety for forcing or growing in the open ground. Pkt. 25 cts.; large pkt. 50 cts.; ¼ oz. \$1.25; ½ oz. \$2; oz. \$3.50.

Waterer's Extra-Selected Dwarf Erfurt. The best Cauliflower, either for forcing under glass or for the open ground, producing very solid, pure white heads of the finest quality. Pkt. 25 cts.; large pkt. 50 cts.; ¼ oz. \$1, ½ oz. \$1.75, oz. \$3.

DANISH GIANT, or DRY WEATHER. This variety withstands dry weather better than any other sort; heads large, very solid, snow-white, and of the most delicate flavor. Pkt. 25 cts.; large pkt. 50 cts.; ¼ oz. \$1; ½ oz. \$1.75; oz. \$3.

VEITCH'S AUTUMN GIANT. A valuable and distinct late variety, producing large, white, firm heads. Pkt. 10 cts.; large pkt. 20 cts.; ¼ oz. 35 cts.; ½ oz. 60 cts.; oz. \$1.

EARLY PARIS, or NONPAREIL. This is a well-known standard French variety, producing good-sized, pure white heads, which are tender and delicious. Pkt. 15 cts.; large pkt. 25 cts.; ¼ oz. 50 cts.; ½ oz. 85 cts.; oz. \$1.50.

ALGIERS. One of the best late sorts. Grown largely for fall use. It is a sure header. Pkt. 15 cts.; large pkt. 25 cts.; ¼ oz. 50 cts.; ½ oz. 85 cts.; oz. \$1.50.



Witloof Chicory

CHICORY

WITLOOF CHICORY, or FRENCH ENDIVE. This is the delicious salad served in first-class restaurants under the name of "French Endive." Sow the seed during May, in rows 1 to 1½ feet apart, and cover with about ½ inch of soil; when large enough, thin out to 6 inches apart in the row. In late autumn, lift the roots carefully, cut off the leaves about ½ inch from the crown, and store in the cellar in sand or dry soil. After one month's rest they are ready for forcing. Plant thickly in a deep box in the cellar or in a dark place where it is warm. They will soon begin to send forth new leaves which, grown in the dark, are snowy white, crisp, and of finest flavor. It requires about one month to force the roots and the heads are cut off with a small portion of the neck of the root attached. A continuous supply can be had by planting a dozen roots or more at a time. Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.

CELERY

Sow the last of March or early in April, in drills 8 to 10 inches apart. The seed should be covered very lightly or merely pressed into the earth. When fairly out of the seed-bed, they may be transplanted to another bed, or else thinned out to 4 inches apart and let grow until wanted for transplanting out into the beds or trenches early in July. Some gardeners trim off the tops a little while the plants are small, to make them grow more stocky. The trenches should be shallow, 3 to 4 feet apart, and wide enough to hold one or two rows. These rows should be 1 foot apart and the plants set about 6 inches apart in the row. As the plants grow they should be earthed up to blanch them, care being taken not to let the earth get into the heart. For keeping over the winter, bank up with earth and cover over with litter to keep out the frost, placing boards on top to keep out the rain.

One ounce of seed should produce about 3,000 plants

COLUMBIA. A splendid variety of medium height. The stalks are broad and thick, almost round, solid, and of the highest quality. The foliage is of a light green shade with a tinge of yellow. It matures early, is crisp, tender, and of fine flavor. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.

Easy Blanching. A variety of Celery remarkably easy to blanch which, together with its being adapted to early use as well as storing for winter, make it especially suitable for the home garden. Stalks thick, brittle, and of excellent flavor; plant a strong, healthy grower. Pkt. 10 cts.; $\frac{1}{2}$ oz. 30 cts.; oz. 50 cts.; $\frac{1}{4}$ lb. \$1.50.

Paris Golden Self-Blanching. (French-grown seed.) The best very early Celery, extensively grown for summer and early autumn use. The stalks are solid, crisp, tender, and of fine, nutty flavor. Pkt. 20 cts.; $\frac{1}{2}$ oz. 75 cts.; oz. \$1.25.

White Plume. This is one of the most popular of the varieties now in use. A comparatively easy variety to grow, as it is fairly hardy, and, being naturally white, is easy to blanch. Forms a medium-sized bunch and is fairly tall. Used mostly for a very early crop. Pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.; $\frac{1}{4}$ lb. \$1.25.

Golden Plume or Wonderful. A new type of Golden Self-blanching, with wider leaves and thicker stems. A great improvement over all other yellow varieties. It is somewhat earlier than Paris Golden Self-blanching and is more easily blanched to a beautiful, clear, creamy white. The plant is stout and stocky and a full heart. A vigorous grower, resistant to disease and unequalled for home-garden, local market, and long-distance shipments. Pkt. 25 cts.; $\frac{1}{2}$ oz. \$1.25; oz. \$2.25.

GIANT PASCAL, or WINTER KING. One of the best for fall and winter use. It is a selection from the Golden Self-blanching, and adds to the general good quality of its parent superior keeping qualities. The stalks are very large, solid, crisp, and of a rich, nutty flavor. It blanches very easily and quickly. The heart is golden yellow; very attractive. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. \$1.

Winter Queen. This is the most valuable variety of Celery for winter and spring use ever introduced. It is thicker and heavier, with double the amount of heart of any known Celery. The plant is beautiful in appearance, of close habit and compact growth, and blanches to a beautiful cream-white. Ribs perfectly solid, crisp, and of a delicious, nutty flavor. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. \$1.

PRIZE PINK. Very select, large, solid, crisp, and of fine flavor. Pkt. 20 cts.; $\frac{1}{2}$ oz. 60 cts.; oz. \$1.

STANDARD BEARER. (Red.) A variety of compact habit and robust growth. It grows to a heavy weight, is of good quality, solid, and of fine flavor. Pkt. 20 cts.; $\frac{1}{2}$ oz. 60 cts.; oz. \$1.

DWARF GOLDEN HEART. Heart large and full, of a golden yellow; very solid, rich flavor, and a good keeper. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. \$1.

BOSTON MARKET. Of dwarf-branching habit; solid, crisp, and fine flavor. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. \$1.

SOUP, or FLAVORING CELERY. Not for planting purposes, but used for flavoring. $\frac{1}{4}$ lb. 20 cts.; lb. 50 cts.



Golden Plume or Wonderful Celery

CELERIAC

Turnip-Rooted Celery

GIANT SMOOTH PRAGUE. An improved form of the Turnip-rooted Celery. Roots large, round, smooth, and free from side roots. A profitable variety for market-gardeners. Sow seed same as celery, transplant into rows 2 feet apart and about 6 to 8 inches apart in the row. No earthing up is required for Celeriac, as it is the roots which are the edible portion of the vegetable. Pkt. 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.

CORN SALAD

LARGE-SEEDED ROUND-LEAVED. A delicious salad for late fall, winter, and early spring use. The leaves are also used for garnishing meat dishes. Sow the seed during July, August, and September, in rich soil in shallow drills, and cover with $\frac{1}{4}$ inch of soil. Matures in sixty to sixty-five days. The frost makes the leaves tender; they can be cut and used any time during the winter and early spring. Serve with a French dressing. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.

CRESS

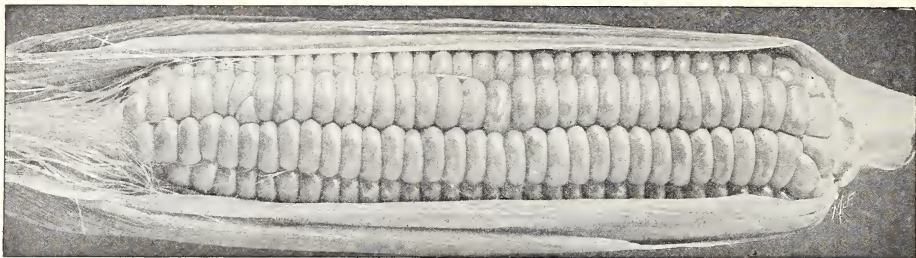
Easily grown during winter on the greenhouse bench, in frames or boxes, and splendid for salad, garnishing, or as an addition to winter lettuce. Sow seed very thickly in rows 3 to 6 inches apart under glass, or for summer 1 foot apart in open ground. Sow often for succession, as it soon runs to seed. Water-cress requires a stream of running water, ditch, or pond, in which it will grow without care, except at first keeping weeds from interfering with it.

EXTRA CURLED, or PEPPER GRASS. Pkt. 10c.; oz. 15c.; $\frac{1}{4}$ lb. 35c.

WATER CRESS. Pkt. 10 cts.; oz. 35 cts.



Winter Queen Celery



Golden Bantam Sweet Corn

SWEET OR SUGAR CORN

Our Seed Corn is grown from carefully selected seed stocks

Sweet Corn, being liable to rot in cold, wet ground, should not be planted before May, or until the ground becomes warm. For a succession, plant every two weeks until middle of July, in rich, well-manured ground, in shallow furrows $3\frac{1}{2}$ feet apart, thinning out to stand 1 foot apart in the rows, or in hills 3 feet apart each way, thinning out to stand three plants in a hill.

One pound will plant about 100 hills, or 150 to 200 feet of row

PLEASE NOTE. Only varieties of Sugar Corn marked * can be supplied in $\frac{1}{2}$ -lb. packages. Packets of all varieties Sweet Corn, 10 cts. each.

DE LUE'S GOLDEN GIANT. Grown and bred in New England, where it is pronounced the sweetest Corn ever eaten. $\frac{1}{4}$ lb. 25 cts.; $\frac{1}{2}$ lb. 45 cts.; lb. 65 cts.; 2 lbs. \$1.20.

EXTRA-EARLY CORY. (White-Cob Strain.) One of the earliest and best of the extra-early varieties. Ears medium size—large, sweet grain. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.50.

Of larger size than usual
***Stabler's Early.** for the early kinds. It is remarkable for fine flavor, sweetness, and earliness, and is a desirable variety for the home-garden. $\frac{1}{4}$ lb. 20 cts.; lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.50.

METROPOLITAN. A remarkably fine, vigorous-growing Corn, with good-sized ears; very early; excellent quality. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.50.

***Golden Bantam.** Of dwarf growth, the stalks averaging 4 feet in height, each producing two or more ears measuring from 5 to 7 inches in length. When ready for use, the kernels are bright golden yellow, deliciously sweet, richly flavored, and remain tender for some time after ripening. $\frac{1}{4}$ lb. 20 cts.; lb. 35c.; 2 lbs. 65c.; 5 lbs. \$1.50.

GOLDEN CREAM. A cross between Country Gentleman and Golden Bantam, and combines the excellent qualities of both. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.50.

PEEP O'DAY. One of the earliest. Very sweet and of delicate flavor. Grows about $3\frac{1}{2}$ feet high. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.50.

EARLY EVERGREEN. The ears grow to a good size (usually about 7 inches long), and contain from 16 to 18 rows of deep, sweet grains. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.50.

EARLY MAMMOTH. An early selection of Late Mammoth; ears 8 to 9 inches long, 14-rowed; grain broad, deep, tender, and sugary. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.50.

KENDEL'S EARLY GIANT. A second-early variety, several days earlier than Crosby. Ears average 7 inches in length, with 10 or more rows of large grains of rich, sugary flavor. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.50.

Howling Mob. One of the finest second-early, large-eared sorts. The stalks are of strong, vigorous growth, $4\frac{1}{2}$ to 5 feet in height, have abundant foliage, and generally produce two fine ears to a stalk. The ears measure 7 to 9 inches in length, with 12 to 14 rows of good-sized, pearly white grains. The ears are covered with a heavy husk which extends well out from the tip and affords good protection from the green worms which are so often destructive to early Sweet Corn. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.50.

SQUANTUM, or POTTER'S EXCELSIOR. Its sweetness and delicious flavor afford it a place with the best varieties. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.50.

CROSBY'S EARLY. A favorite second-early. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.50.

BLACK MEXICAN. Grains deep bluish-purple, of delicious quality; medium early. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.50.

***Stowell's Evergreen.** Recognized everywhere as the standard variety for market and home use. Remains longer in green state than any other sort. Very large ears, with deep grains and remarkably sweet. $\frac{1}{4}$ lb. 20 cts.; lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.50.

***Country Gentleman.** One of the richest flavored of all the late sorts. As a table variety it stands unrivaled, and is without doubt the most luscious of all varieties of Sweet Corn. The plump, pearly white kernels are of great depth. $\frac{1}{4}$ lb. 20 cts.; lb. 35c.; 2 lbs. 65c.; 5 lbs. \$1.50.

LATE MAMMOTH. Produces larger ears than any other Sugar Corn. It is of good quality, rich and very sweet; late. Lb. 35 cts.; 2 lbs. 65 cts.; 5 lbs. \$1.50.

POP-CORN

Pop-Corn is frequently planted in the garden as a curiosity and to interest and please the children, but we would caution gardening friends against planting Pop-Corn near Sweet Corn, as they cross quite readily, and to the detriment of both types. Pop-Corn ears should be allowed to become thoroughly ripened on the stalk before they are gathered. The grain must be thoroughly dry before it can be popped; that is, grains a year old will pop more satisfactorily than those which are freshly gathered.

QUEEN'S GOLDEN. Pops perfectly white, and a single kernel will expand to a diameter of nearly 1 inch. Lb. 20 cts.; 3 lbs. for 50 cts.

WHITE RICE. The most popular white variety, of excellent popping qualities. Lb. 20 cts.; 3 lbs. for 50 cts.

HORSE-RADISH ROOTS

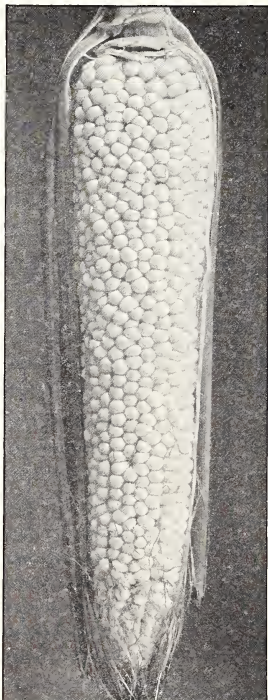
READY IN MARCH

Set the roots, small ends down, in rows $2\frac{1}{2}$ feet apart, $1\frac{1}{2}$ feet apart in the row. Late in the fall lift as many roots as you think you will use, cut off the top, place them in a cool cellar, covered with soil or sand; grate as wanted.

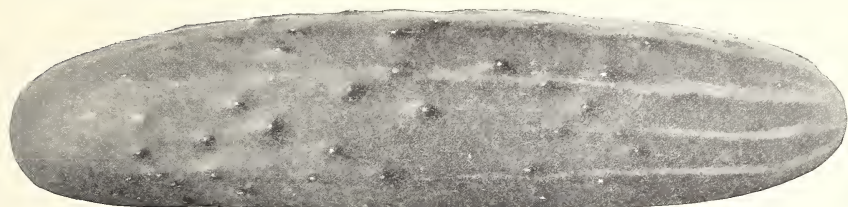
MALINER KREN. A quick-growing variety and far superior to the common sorts. Large cutting, 35 cts. per doz.; \$1.50 per 100; \$10 per 1,000.

How to Pick Sweet Corn

To have the finest Sweet Corn, it must be picked in just the right condition, that is, when the skin of the grain breaks at the slightest puncture, and planting should be made frequently enough always to have a supply at this stage. The quality will be inferior if it is either a few days too old or too young.



Country Gentleman Corn



Waterer's Evergreen Cucumber

SELECTED CUCUMBER SEED

Sow the seeds early in the season in a hotbed, using small sods (grass side down) or flower pots, placing a few seeds in each. When all danger of frost is past, transplant into hills, which should be 4 feet apart and 1½ feet in diameter. For general crop, a sowing may be made in the open ground in May in rich, mellow soil, well manured, using eight to ten seeds to each hill, and when danger of insects is past, thin out to four plants to each hill. For pickles, sow from the middle of June to first week in July. Pick all fruit when of proper size.

One ounce of seed will sow 50 hills; 2 pounds for an acre

Waterer's Evergreen. The fruits are large, symmetrical in shape, and of a rich dark green color. Flesh pure white, firm and crisp, with comparatively few seeds; unsurpassed for quality. Pkt. 15 cts.; oz. 35 cts.; ¼ lb. \$1.

Arlington White Spine. The Cucumbers average 7 to 8 inches in length, straight, and of a rich dark green color. Flesh white, crisp, and solid, with comparatively few seeds. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 45 cts.; lb. \$1.50.

DAVIS' PERFECT. An excellent variety for outdoor and forcing purposes. The long, even fruits are of fine form, with an intensely dark, rich green skin, very few seeds, and solid white flesh of superb quality for slicing. Pkt. 10c.; oz. 20c.; ¼ lb. 50c.; lb. \$1.50.

EARLY GREEN PROLIFIC, or BOSTON PICKLING. Fruit short, smooth, symmetrical, and bright green; very productive, making a good pickle; a little shorter and thicker than most pickling sorts. Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 50 cts.; lb. \$1.50.

EARLY FORTUNE. One of the very early varieties, producing an abundance of fruit of medium size and very high quality. A good variety for early table use. Pkt. 10c.; oz. 20c.; ¼ lb. 50c.; lb. \$1.50.

Long Green (Jersey Pickle). A well-known standard variety when young makes the best of pickles. When ripe it is the best of any for sweet pickles. Vines vigorous and very productive. Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 50 cts.; lb. \$1.50.

WEST INDIA GHERKIN. A small prickly variety, used for pickles only. Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.

JAPANESE CLIMBING. Can be grown on a trellis; very prolific and of good quality. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.

ENGLISH FORCING CUCUMBER

These varieties are used for forcing. They can be grown in hotbeds or houses where the temperature does not fall below 65 degrees at night. The fruits are long, smooth, and handsome, frequently growing 20 to 30 inches long.

Lockie's Perfection, Telegraph, Tender and True. Each, pkt. of 10 seeds, 20 cts.; \$1.75 per 100 seeds.

EGGPLANT

Sow seeds in a box or pot in greenhouse or hotbed, in February or March. When about 3 inches high, plant singly into small pots and set plants out in the open ground about May 20, 2 feet apart in row and 3 feet between rows. Eggplants are very tender and will not stand frost.

NEW YORK IMPROVED PURPLE. Large, round, deep purple fruit, often weighing from ten to twelve pounds, of excellent quality, and free from spines. The plants grow vigorously and produce from four to five well-developed fruits. Pkt. 10c.; ½ oz. 30c.; oz. 50c.

Improved Black Beauty.

Fully as large as New York Improved Purple, and a d about a week earlier. Fruit deep black-purple, of finest quality. Pkt. 10 cts.; ½ oz. 30 cts.; oz. 50 cts.

EARLY LONG PURPLE. One of the earliest, most hardy, and productive sorts; fruits 6 to 8 inches long, rich purple, and fine quality. Pkt. 10 cts.; ½ oz. 30 cts.; oz. 50 cts.

ENDIVE

Endive is one of the best and most wholesome salads for fall and winter use. Sow in shallow drills in April for early use or in June or July for late use. When the plants are 2 to 3 inches high, thin them out or transplant into moderately rich and rather light soil, 1 foot apart. When nearly full grown, and before they are fit for the table, they must be blanched by tying the leaves loosely together, which must be done when quite dry, or by covering with boards or flower pots.

One ounce will sow 100 feet of row

ENDIVE, continued

WHITE CURLED. Very tender and white. Blanches easily. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 65 cts.

BROAD-LEAVED BATAVIAN. Long, broad leaves; very fine for salads. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 65 cts.

GIANT FRINGED. A vigorous grower, with handsome, broad fringed leaves and a white heart. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 65c.

GREEN CURLED. The hardest of all, with curled dark green leaves; tender and crisp. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 65 cts.

KALE, or BORECOLE

One ounce will sow about 100 feet of drill

The Kales are highly esteemed for winter greens. Extremely hardy, and are improved in flavor after frost. For fall use, sow in May, transplant in June, and treat the same as cabbages. For early spring use, sow in August and September and protect during winter.

Dwarf Green Curled Scotch. The leaves are bright green, tender, and beautifully curled. One of the best grown. Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. \$1.25.

TALL CURLED GREEN SCOTCH. Unusually hardy, growing 2 feet or more in height, with recurved, spreading, deep green, curly leaves. Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. \$1.25.

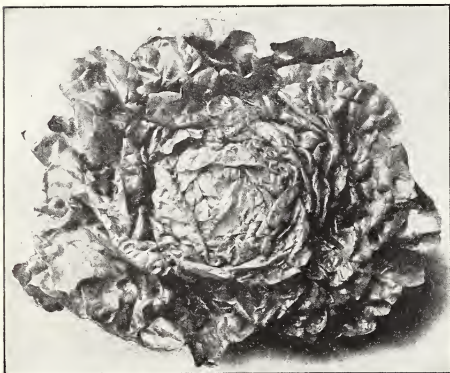
KOHLRABI

One ounce of seed will sow 100 feet of drill

This is a delicious vegetable and should be grown in every garden. The edible portion is the large bulb which forms on a stem above the soil. Boiled, sliced, and served with a cream sauce, it makes a delicious dish. The bulbs should be used when the size of a small apple, as they become woody when very old. For this reason, successive sowings should be made until the middle of August. For very early crop, sow in hotbed and transplant outdoors last of April. For regular crop, sow outdoors about April 15, in drills 2 feet apart and cover seed with ½ inch of soil. When well up, thin out to 8 inches apart in a row.

EARLY WHITE VIENNA. The best for early and main crop; flesh white. Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.

EARLY PURPLE VIENNA. Blush purple; flesh white. Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.



Big Boston Lettuce

of the best summer varieties; forms fine, large, solid heads of excellent quality. Plants make firm heads, nearly as large and almost as solid as cabbage. The heads are of delicious rich buttery flavor. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 85 cts.

Early Dutch Butter, Spotted. Producing fine large heads of excellent quality, and one of the best for forcing and market sorts; also stands the heat well in summer. Pkt. 10c.; oz. 35c.; $\frac{1}{4}$ lb. \$1.

ICEBERG. A beautiful Lettuce, with large, curly leaves of a bright light green, with a very slight reddish tinge at the edges. Handsome heads, unusually solid because of the natural tendency of the large, strong leaves to turn in, which also causes thorough blanching. Crisp, tender, and fine flavor. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.

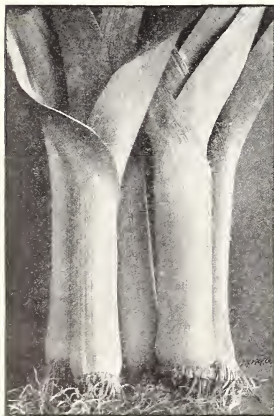
May King. This handsome, extremely early, compact-heading Lettuce is very fine for forcing use. Heads medium-sized and of excellent quality. Outer leaves light yellowish green, tinged reddish brown when mature. Hearts blanch to golden yellow, tender and buttery. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 85c.

MIGNONETTE. Small, compact heads; leaves slightly curled; edges tinted brown. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. \$1.

New York, or Wonderful. This is a leader among the cabbage-headed sorts. The color is dark green, with white interior; the heads are large, with curled outer leaves. Popular kind for summer. Pkt. 10 cts.; oz. 40 cts.; $\frac{1}{4}$ lb. \$1.25.

Salamander. A variety which stands the hot weather remarkably well. Salamander forms a large, compact, light green plant, the broad, thick, somewhat crumpled and closely overlapping leaves blanching the inner ones to perfection. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 85 cts.

UNRIVALED. A popular sort for coldframes and for early spring and fall planting. Resembles Big Boston, but does not turn red. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.



Prizetaker Lettuce

LETTUCE

Seed for the first outdoor crop is usually sown in hotbeds in February or March, and the seedlings transplanted to the garden in April, 8 to 12 inches apart, in rows $1\frac{1}{2}$ feet apart. For a succession until frost, sow in drills in the open ground at intervals of two or three weeks, and thin the plants to stand 8 inches apart. For plants to force in hotbeds from November until spring, sow seed in hotbeds in the fall.

One ounce of seed should produce about 2,500 plants

CABBAGE or HEADING VARIETIES

Allheart. One of the best for spring or summer use; large heads, decided buttery flavor. Pkt. 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75c.

Big Boston. This is a fine forcing variety for coldframes during the winter months, as it produces heads of very large size, and succeeds better in a cooler temperature than most forcing strains. It heads well also in the open ground during cool weather of spring and fall. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. \$1.

Big Boston (Improved). By far the most heat-resisting sort of this type. The plants are of a uniformly darker shade of green, grow more compactly and stand several days longer before running to seed than other strains of Big Boston. Pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.25.

BLACK-SEEDED TENNISBALL. Very desirable for hotbed culture in winter and for withstanding heat in summer. A light green cabbage sort, forming hard heads. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 85 cts.

CALIFORNIA CREAM BUTTER (Royal Summer Cabbage). One quality. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 85 cts.



Cos or Romaine Lettuce

WAYHEAD. The earliest and surest heading of all early Lettuce. Outer leaves are light green; heart is a rich buttery yellow of fine quality. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 85 cts.

COS or ROMAINE LETTUCE

A distinct, upright-growing type of Lettuce. The long, narrow leaves need to be tied rather loosely together several days before they are cut for use.

TRIANON COS, or ROMAINE. A self-blanching Cos lettuce, very crisp and tender, and of excellent flavor. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 85 cts.

CURLED or CUTTING LETTUCE

This type does not form compact heads, but large masses of curly, crisp leaves, which are practically overbearing, as they keep growing after picking.

GRAND RAPIDS. Produces crisp, tender green leaves, richly curled. Superb for forcing or outdoor culture. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 85 cts.

BLACK-SEEDED SIMPSON. One of the best of the loose-leaved varieties. Withstands heat and drought. Finely fringed leaves. Pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 85 cts.

LEEK

A splendid vegetable for flavoring soups and stews; used in the same manner as onions, but of a milder and more agreeable flavor. Leek is hardy and easily cultivated. Sow very early in the spring, in drills 6 inches apart; thin out to 2 inches apart in the row. When about 7 inches high, transplant them in rows 1 foot apart, and 6 inches in the rows, as deep as possible, but do not cover the young center leaves. Draw earth up to them as they grow.

GIANT CARENTAN. The favorite market variety. Large thick stem; mild flavor. Pkt. 10 cts.; $\frac{1}{2}$ oz. 15 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.

Prizetaker. (Imported seed.) Of immense size, thick, pure white stems, and green, narrow, erect leaves; mild and very tender. Pkt. 15 cts.; $\frac{1}{2}$ oz. 30 cts.; oz. 50 cts.

SELECTED MUSSELBURGH. (Imported seed.) A splendid selection of this popular variety; grows to large size, and is recommended for exhibition. Pkt. 15 cts.; $\frac{1}{2}$ oz. 30 cts.; oz. 50 cts.

MUSKMELON

Melons do best in a light or sandy soil, but with a little labor in preparing hills they can be grown in almost any warm, sunny location. Make hills 5 feet apart each way, putting two or three shovelfuls of well-rotted manure in each hill; pack it down tight, cover it with 3 inches of fine loose soil, making hills 1 foot in diameter. When the weather is quite warm, scatter ten to fifteen seeds thinly over the surface of the freshly made hills and cover with $\frac{1}{2}$ inch of fine soil. When the young plants are well established, thin out to the best three plants.

One ounce will plant about 50 hills; 2 to 3 pounds for an acre

Emerald Gem. A splendid early variety, coming in just ahead of Rocky Ford; flesh very thick, of a deep, rich salmon color. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

ROCKY FORD, or GOLDEN GEM. Oval-shaped; thick-meated; flesh light green in color, and uniformly fine; luscious flavor; skin ribbed and thickly netted. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

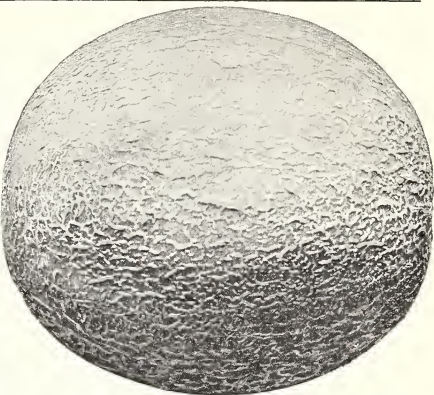
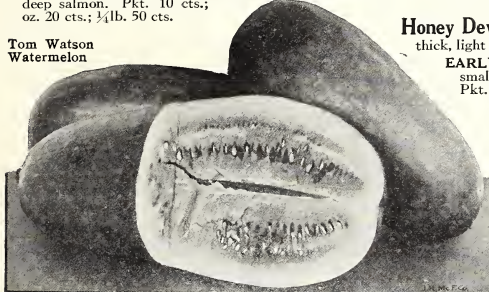
TIP-TOP. The most productive melon known; good for early or late, having a sweet, juicy, fine flavor. Large, nearly round, evenly ribbed, and moderately netted. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

HOODOO. Delicious, and grows to a convenient size. Flesh thick and firm; deep salmon or orange. Pkt. 10c.; oz. 20c.; $\frac{1}{4}$ lb. 50c.; lb. \$1.50.

Delicious Gold-Lined. Small, spherical fruits, uniform in shape and size, smooth, showing no ribs and covered with a dense, gray netting. Meat thick and sweet, green with a golden salmon lining next the seed cavity. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; lb. \$2.

OSAGE or MILLER'S CREAM. Fruit medium size to large, nearly round, slightly ribbed, dark green, almost smooth. Flesh very thick, deep salmon. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.

Tom Watson
Watermelon



Delicious Gold-lined Muskmelon

Honey Dew. The fruit weighs eight to ten pounds each, and the rind is perfectly smooth and cream-colored. Flesh from $1\frac{1}{2}$ to 2 inches thick, light green, very sweet and juicy. Pkt. 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.

EARLY JENNY LIND. The earliest of all varieties, and also the smallest, but possessing a rich and delightful flavor and fragrance. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

EXTRA-EARLY HACKENSACK. Early; almost globular fruit, which is heavily ribbed, netted; thick light-green flesh of fine flavor. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

MONTREAL MARKET. Skin dark green; heavily netted; flesh light green, of delicious flavor. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

ENGLISH FORCING MELONS

These can be grown successfully in hotbeds. Sow seeds in pots in March and transplant to hotbed when three leaves have developed. Fruits ripen in June and July. **Blenheim Orange, Royal Jubilee, Triumph, Windsor Castle.** Each, pkt. 25 cts.

WATERMELON

Cultivate same as muskmelons, except that the hills should be 8 feet apart.

Tom Watson. A large, long melon with dark green rind and light crimson flesh which is of excellent quality. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 45 cts.

FORDHOOK EARLY. Extra early; large, nearly round; skin tough; flesh red and very sweet. Pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 40 cts.

ALABAMA SWEET. A large and attractive melon, oblong in shape. Color dark green; flesh remarkably firm and of luscious flavor. Pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 40 cts.

COLE'S EARLY. A most delicious and productive variety for the family garden, succeeding in northern states, where melons were never matured before. The flesh is of a beautiful bright red color, crisp and extremely delicate in texture. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 45 cts.

Dixie. The fruits are large, oblong in form, from 20 inches to 2 feet in length; skin dark green with stripes of lighter shade; bright red flesh of excellent quality. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 45 cts.

HALBERT HONEY. A variety somewhat similar to Kleckley Sweets—of much darker color. The vines are very prolific and usually bear four and five very uniform melons—quality the highest. Pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 40 cts.

COLORADO PRESERVING CITRON. Excellent for making preserves. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.

MUSHROOM SPAWN

WATERER'S PURE "SPORE" CULTURE SPAWN. Made in bottles that have been sterilized, as well as all material used. The pure spawn is wrapped in paper with full directions how to grow Mushrooms, packed in cartons. One carton equals five bricks of ordinary spawn. Prices: One carton, \$1; 12 cartons, \$10.75.

PURE CULTURE SPAWN. The spawn which has given universal satisfaction. Per brick, 35 cts.; 5 bricks, \$1.50; 10 bricks, \$2.75; 25 bricks, \$6.50; 50 bricks, \$12.50.

MUSHROOM or HOTBED THERMOMETERS. Heavy Brass Point style, \$2.75 each.

MUSTARD

*One ounce will sow
about 75 feet of drill*

A small, pungent salad used with cress; the seed is also used for flavoring pickles, pepper sauce, etc. For salads sow thickly in shallow drills 6 inches apart, or in frames or boxes during the winter. Successive sowings may be made every week or two.

WHITE. Leaves used for salads or greens when young. Pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 35 cts.
CHINESE. Leaves about twice the size of White, and of sweetly pungent flavor. Pkt. 10c.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.



Mushrooms

CHOICE ONION SEED AND SETS

Sow in rich soil, in drills 1 foot apart, as soon as the ground can be worked in the spring; thin out to 2 to 3 inches apart in the row, carefully keeping down the weeds. The finest Onions are produced by sowing the seed in a hotbed in February or March, and transplanting the seedlings to the open ground, 3 to 4 inches apart, in April. For sets, sow the seeds as early as possible in the spring, very thickly, in drills; as soon as the tops die off in summer, remove them to a dry, airy place and early in the following spring replant by placing the sets in shallow drills, 1 foot apart, and 2 inches apart in the drills.

One ounce will sow 100 feet of drill; 5 to 6 pounds for an acre

Ailsa Craig. The largest and heaviest cropping Onion, and a splendid keeper. Unrivaled in perfection of form, size, and weight; mild in flavor; outside skin of light straw color. It is a favorite variety for exhibition purposes. Pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.; $\frac{1}{4}$ lb. \$1.25.

AILSA CRAIG. (English-grown.) Extra-selected stock. Pkt. 15 cts.; $\frac{1}{2}$ oz. 35 cts.; oz. 60 cts.; $\frac{1}{4}$ lb. \$2.25.

Prizetaker. Grows uniform in shape and is of immense size, measuring from 12 to 16 inches in circumference, while under special cultivation specimen bulbs have been raised to weigh two pounds each. Its pure white flesh is fine-grained, mild, and delicate in flavor. Pkt. 10c.; $\frac{1}{2}$ oz. 20c.; oz. 30c.; $\frac{1}{4}$ lb. \$1.

Southport Yellow Globe. It is entirely distinct from the Danvers type, being somewhat more pointed at each end. The outer skin is pale yellow; flesh white and mild in flavor. Quite productive, very hardy, and keeps a long time in good condition after pulling. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. \$1.



Southport White Globe Onions

Yellow Globe Danvers. Of more globular shape than the preceding, producing well-rounded bulbs about 2½ inches in diameter; skin light golden yellow; flesh white, crisp and mild in flavor. One of the best known Onions, and one of the best for general crop. An excellent keeper. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.25.

YELLOW STRASBURG. Similar to the Yellow Danvers, but bulbs rather more flattened and skin darker. The Onions ripen early, with pure white flesh of mild flavor. It is one of the best to grow for sets, and is a splendid keeper. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. \$1.

AUSTRALIAN BROWN. Early and very hardy variety. The skin is thick and the color is a rich brown; flesh white and of a mild flavor. Is especially noted as a long keeper, lasting well into spring, much longer than other varieties. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. \$1.

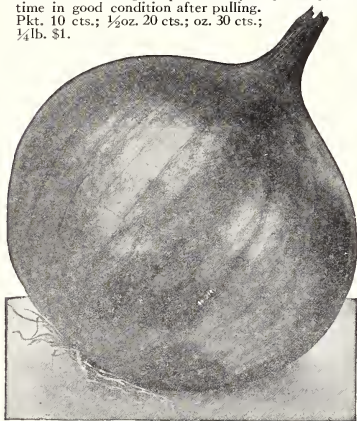
Southport White Globe. An enormous yielder and superb keeper. Perfect globe-shaped, very large; clear white skin. Considered one of the handsomest varieties grown. Pkt. 10 cts.; $\frac{1}{2}$ oz. 30 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. \$1.75.

WHITE PORTUGAL, or SILVERSKIN. Largely grown for sets. Bulbs large, with silvery white skin and white flesh; mild-flavored, and excellent for family use and for pickling. Pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 45 cts.; $\frac{1}{4}$ lb. \$1.50.

WHITE BARLETTEA. An excellent pickling variety. Pkt. 15 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 45 cts.; $\frac{1}{4}$ lb. \$1.50.

RED WETHERSFIELD. Best known variety among the red flat Onions. A heavy yielder, growing to a large size; shape flat; solid; glossy red skin; flesh white with pink tinge; very good keeper. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. \$1.

SOUTHPORT RED GLOBE. This excellent medium-early or main-crop Onion produces medium to large-sized, perfect globe-shaped bulbs of deep purplish red color. Flesh is white, tinged with light purple, fairly mild, fine-grained, and tender. One of the best keepers. Pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 45 cts.; $\frac{1}{4}$ lb. \$1.50.



Prizetaker Onion

ONION SETS

Plant in rows 1 foot apart, with sets 2 inches apart in the row.

One pound will plant about 50 feet of row

	Lb.	10 Lbs.
White.....	\$0 40	\$3 50
Yellow.....	30	2 50
Red.....	40	3 50

OKRA or GUMBO



Okra

This vegetable is extensively grown for its green pods, which are used in soups, stews, etc. Sow the seed thickly in rich ground about the middle of May, or when the ground has become warm, in drills 3 feet apart, 1 inch deep; thin to 10 inches apart in drills.

IMPROVED DWARF GREEN. Very productive; bears large pods which remain tender a long time. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

WHITE VELVET. Pods large, very light green, smooth. An abundant bearer of superior quality. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

PERKINS' LONG-POD. Produces pods 4 to 5 inches long in great abundance. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.



White Onion Sets

LAWN GRASS SEED

If you desire a perfect lawn, use our "Special" Evergreen Lawn Grass Mixture. See page 3 for same.

ALL PRICES SUBJECT TO MARKET CHANGES

PARSLEY

Because of its pleasant flavor, the leaves of Parsley are used extensively as a garnish with other vegetables, either in cooked dishes or salads. Parsley seed germinates very slowly. For outdoor growing, soak the seed in warm water for a few hours. Sow thickly, in rows 1 foot apart and $\frac{1}{2}$ inch deep, pressing down well after sowing. When well up, thin to 3 to 4 inches apart.

Waterer's Triple Curled. Dwarf; dark green; densely curled. The finest Parsley for garnishing. Pkt. 10c.; oz. 35c.; $\frac{1}{4}$ lb. \$1.

CHAMPION MOSS CURLED. The leaves are not so heavy in appearance as our Triple Curled, but are also very finely curled, and excellent for garnishing. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.25.

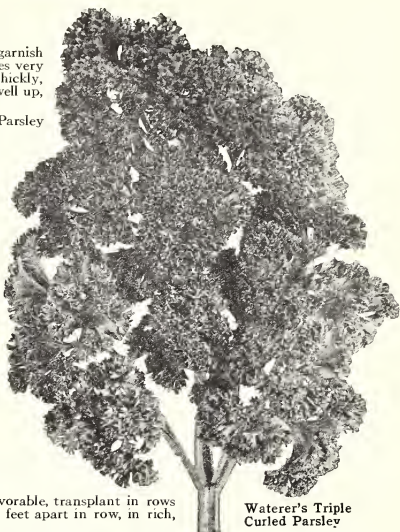
TURNIP-ROOTED, or HAMBURG. The fleshy root is used for flavoring soups, stews, etc. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.25.

PARSNIP

Sow as early in the spring as the weather will admit in drills $1\frac{1}{2}$ feet apart and $\frac{1}{2}$ inch deep, in a rich deep soil; thin out 4 inches apart in the rows. In the late fall, before the ground freezes, remove enough roots for winter use to the root cellar and pack in sand. The remaining Parsnips can be left in the ground through the winter for use in the early spring.

One ounce will sow 100 feet of drill; 5 to 6 pounds for an acre

Large Sugar, or Hollow-Crown. The roots are smooth, uniform in shape, tapering evenly from a heavy shoulder down to a small root, tender and of best quality. Pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.25.

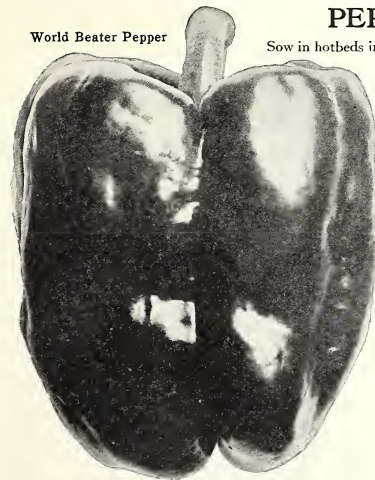


Waterer's Triple Curled Parsley

PEPPER

World Beater Pepper

Sow in hotbeds in March or April, and, when the season is favorable, transplant in rows 2 feet apart and $1\frac{1}{2}$ feet apart in row, in rich, good ground.



World Beater. Said to be a cross between Ruby King and Chinese Giant. The shape is like Ruby King, only the blossom end is broader, and the size nearly equal to Chinese Giant. The plant is a strong, vigorous grower and very prolific. The fruit is a beautiful scarlet in color and exceedingly mild. The flesh is thick and firm, making this variety an excellent shipper. Pkt. 10 cts.; $\frac{1}{2}$ oz. 30 cts.; oz. 50 cts.

PIMIENTO. A very popular variety used extensively for salads. It is thick-meat, of mild flavor, brilliant red in flesh, and very productive. Pkt. 15 cts.; $\frac{1}{2}$ oz. 35 cts.; oz. 65 cts.

NEAPOLITAN. The earliest of all large mild red Peppers; skin and flesh bright red. Pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.

Large Bell, or Bullnose. Large, early variety; mild flavor; thick and fleshy. Pkt. 10 cts.; $\frac{1}{2}$ oz. 30 cts.; oz. 50 cts.

Chinese Giant. The largest mild red Pepper. The flesh is quite thick, very mild, and remarkably sweet. Pkt. 10 cts.; $\frac{1}{2}$ oz. 40 cts.; oz. 75 cts.

RUBY GIANT. A variety which is of a very desirable size and shape for stuffing. Pkt. 10 cts.; $\frac{1}{2}$ oz. 30 cts.; oz. 50 cts.

RUBY KING. A popular, large-fruited variety; very thick flesh of fine, mild flavor. Pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.

LONG RED CAYENNE. The pods are long and slender, bright red, and very pungent. Pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 45 cts.

RED CHILI. Red, conical pods, about 2 inches long; very hot and prolific. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 35 cts.

CELESTIAL. Creamy white to scarlet; ornamental and prolific. Pkt. 10 cts.; $\frac{1}{2}$ oz. 40 cts.; oz. 75 cts.

PUMPKIN

Sow in good soil in May, when the ground has become warm, in hills 8 or 10 feet apart each way, or in fields of corn about every fourth hill.

Sugar, or New England Pie. A fine pie Pumpkin. Small, but very sweet; fine-grained, and of the best quality. The skin is deep orange, and flesh rich yellow. Pkt. 10c.; oz. 20c.; $\frac{1}{4}$ lb. 50c.; lb. \$1.50.

Winter Luxury. Golden yellow, finely netted; shape round; flesh very rich. Unequaled as a winter keeper, and one of the best for pies. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

TENNESSEE SWEET POTATO. Shape similar to a bell; skin and flesh white, very thick and sweet. Pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 40 cts.; lb. \$1.25.

WHITE CUSHAW. A white crookneck variety of excellent quality. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

LARGE CHEESE. Flat. One of the best for family use. Pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 40 cts.; lb. \$1.25.

BIG TOM, or IMPROVED LARGE FIELD. Very productive; grown largely for feeding stock. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

KING OF THE MAMMOTHS. Grows to an enormous size. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.



Sugar Pumpkin

GARDEN PEAS

Peas do best in a light, rich loamy soil that has been liberally manured the previous season. Plant the smooth varieties as early as the ground can be worked. The wrinkled Peas are not as hardy as the smooth kinds, and should be planted later; they are, however, sweeter and better flavored. For a succession, plant every two weeks—until June 1—then discontinue until August 1, when the extra-early varieties may be planted for a fall crop. When grown in gardens, sow in double rows 6 to 8 inches apart, the rows 2 to 4 feet apart, the tall ones requiring brush.

One pound will plant about 50 feet of drill

INOCULATE THIS
SEED WITH
MULFORD CULTURE

EARLY VARIETIES

EARLY EIGHT WEEKS. As the name indicates, this is one of the very earliest sorts. The vine is very dwarf, growing only 12 to 15 inches in height and is very uniform. The pods, while not large, are well filled with Peas of good quality. This is an exceptionally fine variety for the small kitchen-garden. Lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.75.

HUNDREDFOLD. It is the best-flavored and the largest-podded dwarf-growing sort in existence. It is ready about three days after the earliest sorts, and bears an enormous crop of handsome, intensely dark green, fairly broad and pointed pods, 4 inches long, containing about eight large, dark green Peas of excellent quality. The vines are 16 inches high, sturdy, and resist heat well. Lb. 50 cts.; 2 lbs. 95 cts.; 5 lbs. \$2.25.

***Gradus, or Prosperity.** Undoubtedly one of the most valuable sorts introduced up to the present time. The vine has heavy stems, with large, light green leaves and grows about 3 feet high. It produces uniformly large pods, measuring from 4 to 4½ inches in length, nearly round and well filled with very large, handsome Peas of the finest flavor; very early, ready for picking after Maud S. is through, and leaves little to be desired. ½ lb. 25 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.75.

THOMAS LAXTON. A strong grower and as productive as the well-known Gradus. The pods are of a dark green color, filled with large Peas of superb flavor. 2½ ft. Lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.75.

NOTT'S EXCELSIOR. Fine, extra-early, dwarf, wrinkled Pea. Foliage dark green and rather heavy, suggesting health and vigor. On good soil grows about 1 foot high. Pods 3 inches long, filled with six large sweet Peas, and all are ready to pick at once. A great yielder. Lb. 45c.; 2 lbs. 85c.; 5 lbs. \$1.75.

***Maud S.** One of the best of the early sorts. Vines are vigorous and produce an abundance of pods, well filled with Peas of superior quality. 2 feet. ½ lb. 25 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. \$1.60.

EARLIEST OF ALL, or ALASKA. A valuable, early, round Pea, producing a large number of dark green pods, well filled and of excellent flavor. 2 feet. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. \$1.50.

LAXTONIAN.
"The Dwarf
Gradus." One of the earliest and finest dwarf Peas. The vines are well covered with large even sized pods, each contain 8 to 9 Peas of the richest flavor. 1½ ft. Lb. 50c.; 2 lbs. 90c.; 5 lbs. \$2.

LAXTON'S SUPERB.
A new, early, semi-wrinkled dwarf Pea, growing about 2 to 2½ feet high and carrying an immense crop of large pods, each containing nine to ten Peas of delicious flavor. It may be sown as early as the 22nd.

Thomas Laxton
Peas

in the season as the smooth sorts. Lb. 50c.; 2 lbs. 95c.; 5 lbs. \$2.25.

***LITTLE MARVEL.** A most desirable dwarf early variety. In season this new sort ripens fully as early as American Wonder or Nott's Excelsior, while the pods are larger and the vines produce a much heavier crop. 15 inches. ½ lb. 25 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.75.

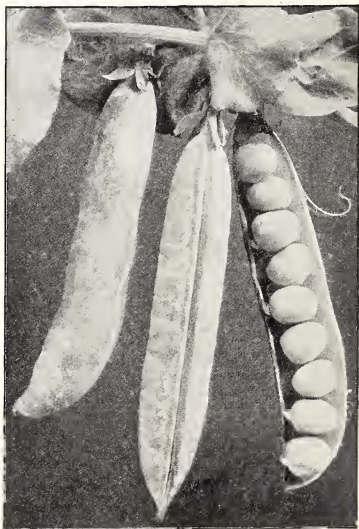
SUTTON'S EXCELSIOR. A dwarf early Pea, growing about 1½ feet high. Pods large and well filled with deliciously flavored Peas. Ready for picking with Nott's Excelsior. Lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.75.

SENATOR. Peas fit to pick in about sixty-one days. Pods about 4 inches long, curved, of rich dark green color, well filled with medium size, green, wrinkled Peas, which are very sweet and tender. 3 feet. Lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.75.

EUREKA EXTRA EARLY. 2 feet. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. \$1.60.

DANDY EXTRA EARLY. 2 feet. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. \$1.60.

FRENCH CANNER (Petit Pois, or Small French Pea). Very prolific, with long, slim pods, well filled with extremely small Peas, which should be used when very young. 3 feet. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. \$1.75.



Maud S. Peas

Only varieties of Peas marked * can be supplied in ½ lb. packages. Packets of all Peas, 10 cts. each, unless noted.

SECOND-EARLY PEAS

***ABUNDANCE.** Long, round, well-filled pods; six to eight large wrinkled Peas of fine quality. $1\frac{1}{2}$ feet. $\frac{3}{4}$ lb. 25 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.75.

LATE or MAIN-CROP PEAS

Alderman. A large-podded, late, wrinkled variety of vigorous growth; very productive; pods 4 to 5 inches long, well filled with large Peas of excellent flavor. $3\frac{1}{2}$ to 4 feet. Lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.75.

IMPROVED STRATAGEM. The vines are strong, vigorous and covered with immense pods 5 inches in length and containing as high as ten large, richly flavored wrinkled Peas. Lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.75.

TELEPHONE. A tall and very robust grower, bearing pods of unusual length, closely filled with Peas of large size and of most delicious flavor. 4 feet. Lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.75.

DUKE OF ALBANY. One of the largest of all Peas; immense pods; enormously productive. 4 feet. Lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.75.

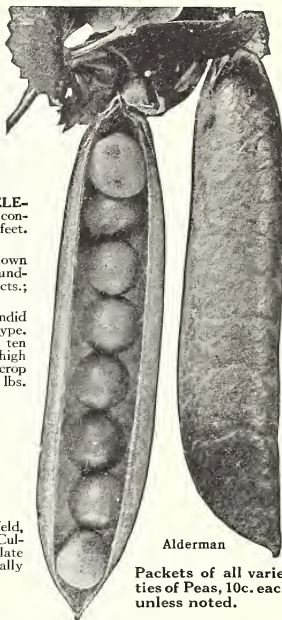
***Dwarf Champion** A dwarf form of the popular Champion of England, with large pods; very productive; finest quality. $2\frac{1}{2}$ feet. $\frac{1}{2}$ lb. 25 cts.; lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. \$1.60.

***Quite Content.** This is the largest-podded Pea in existence. It is exceedingly prolific, and the pods, 5 to 6 $\frac{1}{2}$ inches in length, hang mostly in pairs, and are closely filled with large sweet Peas. One of the very best of the main-crop varieties. 5 feet. Pkt. 15c.; $\frac{1}{2}$ lb. 30c.; lb. 55c.; 2 lbs. \$1.

CARTER'S DAISY, or DWARF TELEPHONE. Pods large, well filled, often containing ten Peas of the largest size. 2 feet. Lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.75.

CHAMPION OF ENGLAND. A well-known standard variety; fine flavored and an abundant cropper. 5 feet. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. \$1.60.

***DWARF DEFIANCE (Potlatch).** A splendid large-podded variety of the Stratagem type. Pods 5 inches long, containing eight to ten very large, medium light green Peas of high quality. A superb, productive main-crop sort. 2 feet. $\frac{1}{2}$ lb. 25 cts.; lb. 45 cts.; 2 lbs. 85 cts.; 5 lbs. \$1.75.



Alderman

Packets of all varieties of Peas, 10c. each unless noted.

SUGAR or EDIBLE-PODDED PEAS

MELTING SUGAR, or EDIBLE POD. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. \$1.75.

DWARF GRAY-SEEDED SUGAR. $2\frac{1}{2}$ feet. Lb. 40 cts.; 2 lbs. 75 cts.; 5 lbs. \$1.75.

CHOICE SEED POTATOES

By planting our northern-grown Seed Potatoes you are assured of early maturity, increased yield, and a vigorous growth. Plant in early spring, in rows 3 feet apart, 15 to 18 inches apart in row. Cultivate constantly and thoroughly, finally ridging the loose soil against the rows. A second or late spring planting is often made. Store in frostproof cellar in winter. Our Potatoes are all specially raised for seed purposes, true to name, and are exceptionally fine in quality.

One peck will plant 100 hills; 10 to 12 bushels for an acre

Prices for Potatoes on application

EARLY SIX-WEEKS. This is one of the earliest Potatoes grown, and a good yielder on first-class land. It is of the Ohio class and resembles that variety very closely.

IRISH COBBLER. The most popular and largely planted early Potato. Round, pure white, extra early and of the best quality. Grows uniformly large, there being fewer small Potatoes than in any other early kind. There are a great many Potatoes being sold for Irish Clobber that are not that variety at all, or are badly mixed with other kinds. We have some very fine seed of the genuine Irish Clobber.

BOVEE. One of the earliest and most productive varieties; handsome, oval form; flesh white; skin pink; quality unsurpassed.

EARLY ROSE. The popular standard early variety; uniform in size and very productive.

BEAUTY OF HEBRON. A popular early sort and one of the best; red and white skin and pure white flesh.

RUSSET. It is an exceptionally heavy yielder, of the very best table quality, and with smooth, velvety, russet skin and shallow eyes. No Potato can surpass it in uniform and handsome appearance. It is very fine-grained, cooks as white as flour, and is of splendid flavor; an excellent keeper and retains its good eating qualities until late in the spring. Its great productiveness, handsome color, and resistance to diseases make it a very popular Potato.

STATE OF MAINE. A large, oval, and slightly flattened pure white variety; medium early; very productive; good flavor; cooks dry, a good keeper. One of the very best varieties for fall and winter use.

RURAL NEW YORKER NO. 2. A very vigorous grower and a valuable variety of large size, very smooth, a great cropper and an excellent quality. Tubers solid, making it a splendid keeper.

GOLD COIN. A splendid main-crop variety of remarkable productiveness and finest table quality.

There is a wonderful difference between the crops obtained from high-grade Seed Potatoes free from disease, and from common Potatoes used for seed. The increase from the use of good seed is often over 100 bushels per acre. The cost for seed may be \$8 to \$10 per acre more, but that is nothing compared with the greater value of the crop.

RHUBARB

Rhubarb succeeds best in deep, rich loam. The richer its condition, and the deeper it is stirred, the better, as it is scarcely possible to cultivate too deeply or to manure too highly. It is propagated by seeds, or by division of the roots—the latter being the usual method. Sow the seed in drills $1\frac{1}{2}$ feet apart, and thin out the plants to 6 inches apart in the drills. When the plants are one year old, transplant into beds, setting the plants 4 feet apart each way. Do not cut until the second year and give a liberal dressing of manure every fall.

EXCELSIOR, or VICTORIA IMPROVED. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.

RHUBARB ROOTS. \$1.50 per doz.; \$10 per 100.



Russet Potato



Cardinal, or
Scarlet Globe
Radishes

also for home
garden; matures very
early; crisp and tender.
Pkt. 10 cts.; oz. 20 cts.;
¼ lb. 50 cts.; lb. \$1.25.

CRIMSON GIANT. For forcing or outdoor planting. Although twice the size of other forcing sorts, this does not get pithy or hollow. The skin is crimson; flesh is white, tender, crisp, and sweet-flavored. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 45 cts.; lb. \$1.25.

PHILADELPHIA WHITE BOX. Popular in the vicinity of Philadelphia, and used more than any other sort. It matures early; root round, slightly flattened; white; top medium. It is grown both under sash and outdoors. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 45 cts.; lb. \$1.25.

EARLIEST WHITE, or WHITE ROCKET. Earliest of all Radishes. Matures in eighteen to twenty days after sowing. Oval shape; small root and top; flesh white, tender, and crisp. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 45 cts.; lb. \$1.25.

Long White Icicle. This is the most beautiful of the early long white varieties; of a pearly white color; fine for either forcing or outdoor culture; of slender form. One of the best for private gardens; tender, crisp, and of delicate flavor. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 45 cts.; lb. \$1.25.

FRENCH BREAKFAST. Of quick growth; very mild and tender; of an oval form; scarlet; tipped with white. One of the best real early sorts for home-garden. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. \$1.50.

LONG SCARLET SHORT TOP. The roots grow 5 to 6 inches long, straight, smooth and of a bright rich scarlet color; the flesh is crisp and tender. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 45 cts.; lb. \$1.25.



French Breakfast Radishes

RADISHES

Sow as soon as the ground is dry in the spring, in rows 8 to 12 inches apart, and ½ inch deep, every week to ten days for a succession up to the middle of June, after which they are but little used unless a cool northern spot can be had, where the ground is shaded during a part of the day. They should be sown in light, rich soil, as a crisp Radish cannot be produced in heavy soils. Sow also in early fall for late crops and winter use. Radishes should be eaten when quite small; it is a mistake to let them grow too long and too large. This applies particularly to the French Breakfast and small turnip-shaped sorts.

One ounce will sow 100 feet of drill; 10 pounds to the acre

Cardinal, or Scarlet Globe. An excellent variety for forcing or outdoor culture; brilliant scarlet; fine globe-shape, with small top; very crisp and tender. Early and of excellent quality. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. \$1.50.

NON PLUS ULTRA, or FIREBALL. One of the earliest and best of the early red turnip varieties. Very short-leaved; small top; skin rich scarlet; flesh white and of good quality. It grows rapidly and is well adapted to forcing and also suitable for growing outdoors. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. \$1.50.

EARLY SCARLET TURNIP. A valuable variety for forcing or outdoor culture. Is a small, turnip-shaped variety, and in color entirely crimson. Quick growing, very early. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 45 cts.; lb. \$1.25.

Scarlet Turnip White-Tipped. A favorite with market-gardeners for outdoor planting, matures very early; turnip-shaped; scarlet with distinct white tip; fine quality; crisp and tender. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 45 cts.; lb. \$1.25.



Icicle Radishes

IMPROVED CHARTER. One of the most distinct varieties; scarlet at top, shaded to pink at center, and white at tip. They will keep crisp, tender, and retain a mild and pleasant flavor for a long time. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.

CHINA ROSE, or SCARLET CHINA. One of the most popular fall and winter sorts. Roots about 6 inches long; skin smooth and of a bright rose color; flesh very firm and crisp. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.

WHITE CHINESE, or CELESTIAL. The finest of all extra-large white winter Radishes; the flesh is always crisp, mild, and juicy. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.

LONG BLACK WINTER. One of the hardest and best for winter use. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.

ROUND BLACK WINTER. Similar to Long Black Winter, except in shape. Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.

SORREL

Sorrel is used as greens like spinach. Mixed with spinach, it adds a delicious flavor to it. Also extensively used in French cookery. Sow in shallow drills in April. Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.

SPINACH

Sow early in spring, in drills a foot apart, every two weeks for a succession; for fall use sow in August; and for winter crop, in September. Cover that which is left out over winter with straw or leaves after the weather becomes quite cold.

One ounce will sow 100 feet of drill; 10 to 12 pounds for an acre in drills

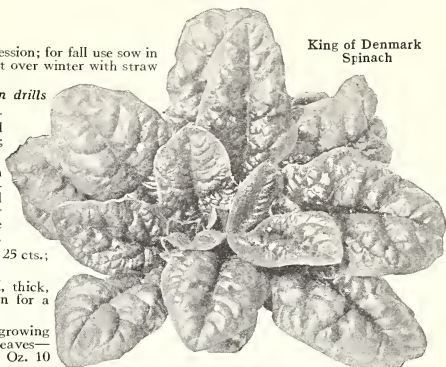
Bloodsdales Savoy-Leaved. The hardest variety and the best for early spring and fall sowing. Curled and crimped, thick, fleshy leaves. Oz. 10 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 55 cts.; 5 lbs. \$2.50.

VIRGINIA BLIGHT-RESISTANT. A distinct strain of American origin selected and propagated from plants that showed a blight-resisting vigor under conditions where ordinary strains of seed could not be successfully grown. We have found it to be especially suited for the fall crop and superior to other strains for late sowing, even where blight is not prevalent. Oz. 15c.; $\frac{1}{4}$ lb. 25c.; lb. 60c.; 5 lbs. \$2.75.

KING OF DENMARK. For description see page 36. Oz. 15 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 60 cts.; 5 lbs. \$2.75.

Victoria. Leaves of fine texture, deepest green color, heavily crimped, thick, fleshy, good quality. The plants remain in good condition for a long time. Oz. 10 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 50 cts.; 5 lbs. \$2.25.

LONG SEASON. An excellent second-early variety with small plants growing close to the ground, very dark green, thick, somewhat crumpled leaves—almost as crumpled as the Savoy-leaved—and short, fleshy stems. Oz. 10 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 55 cts.; 5 lbs. \$2.50.



King of Denmark
Spinach



Mammoth White Bush Squash

PRICKLY, or FALL. An exceedingly hardy variety, adapted for fall sowing. Oz. 10 cts.; $\frac{1}{4}$ lb. 20 cts.; lb. 50 cts.

NEW ZEALAND. Entirely different from the true Spinach in type in that it thrives during the hot weather in any soil, rich or poor. The tender shoots are of good quality and may be cut throughout the summer. Plant three or four seeds in a hill, 2 feet apart each way. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 40 cts.; lb. \$1.25.

SALSIFY, or VEGETABLE OYSTER

Salsify will grow in any good garden soil. Sow as early as the ground can be worked, in drills 1 foot apart, 1 inch deep, and thin out to 6 inches in the row. Use an ounce of seed to a 60-foot row; keep the plants free from weeds. A part of the crop may be left in the ground till spring, when it will be found fresh and plump.

Mammoth Sandwich Island. This is the largest and most profitable Salsify now in cultivation. Pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. \$1; lb. \$3.

SQUASH

Plant after weather has become firmly settled and the ground is warm and dry, in hills 5 to 6 feet apart for bush varieties, and 6 to 8 feet apart for running varieties. Hills should be thoroughly manured. Slightly elevate the hills and place seven or eight seeds in each, finally leaving but three plants. Press the seeds down firmly before covering, and cover early planted ones 1 inch deep, and late ones $1\frac{1}{2}$ inches.

One ounce will plant 25 hills; 4 to 6 pounds for an acre

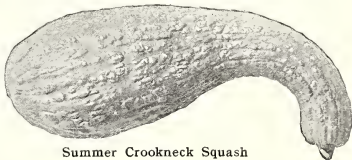
EARLY VARIETIES

Mammoth White Bush. (White Patty-Pan). Of round, scalloped form, with an ivory-white skin. This variety has an abundance of meat of very fine flavor. It is one of the earliest to mature and is very prolific, bearing continually until killed by frost. Pkt. 10c.; oz. 20c.; $\frac{1}{4}$ lb. 45c.; lb. \$1.50.

MAMMOTH YELLOW BUSH, or GOLDEN CUSTARD. This is identical with the Mammoth White Bush, but the fruits are larger and have a rich, golden orange skin, as well as rich, creamy yellow flesh. Pkt. 10c.; oz. 20c.; $\frac{1}{4}$ lb. 45c.; lb. \$1.50.

MAMMOTH BUSH SUMMER CROCKNECK. Early and of extra-fine quality; orange-yellow in color. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 45 cts.; lb. \$1.50.

COCOZELLE, or ITALIAN VEGETABLE MARROW. The fruits are oblong, 1 foot or more in length, and 4 to 5 inches in diameter; skin dark green, marbled with yellow and with lighter green stripes. The flesh is fine-grained, tender, and of excellent flavor. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.



Summer Crockneck Squash

VEGETABLE MARROW (Bush). A delicious English sort. Skin creamy white; flesh white, soft, and of rich flavor. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 65 cts.

VEGETABLE MARROW (Trailing). The English Squash. Cream color, with white flesh. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 65 cts.

FALL AND WINTER VARIETIES

DELICIOUS. A fall and winter Squash of medium size, top-shape in form, and dark green; flesh orange, very dry and delicious. Usually weighs between five and ten pounds. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

Hubbard. The standard winter Squash. It is of good size, often weighing 9 to 15 pounds. Flesh fine-grained, sweet, of excellent flavor, rich orange-yellow. Has a very hard shell and will keep until spring. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

GOLDEN HUBBARD. A deep orange-yellow; fine-grained and sweet. Pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.



Golden Hubbard Squash

FOR LAWN GRASS MIXTURES

See pages 2 and 3



Globe Tomato

JUNE PINK. Ripens as early as Sparks' Earliana and ten days to two weeks earlier than Chalk's Early Jewel. It is an enormous bearer, clusters of six to ten fruits being borne at the crown and at the forks of the branches. The fruit is of medium size, uniform, smooth, and attractively shaped. Pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.

FAVORITE. The fruit ripens evenly, is always smooth, free from cracks, and holds its size to the end of the season. Flesh is of good flavor, very solid, with few seeds. Pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.

MATCHLESS. One of the finest, smoothest main-crop Tomatoes in cultivation. Of rich cardinal-red color, with solid flesh of finest quality. Grows to good size, which it maintains throughout the season. Pkt. 10 cts.; $\frac{1}{2}$ oz. 30 cts.; oz. 50 cts.

The Stone. The largest, bright red, perfectly smooth, highest-yielding, best-keeping, finest-flavored, main-crop variety. Pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.; $\frac{1}{4}$ lb. \$1.25.

DWARF STONE. The plants are of dwarf, sturdy growth and very productive; fruit bright red, similar in appearance to the Stone. Pkt. 10 cts.; $\frac{1}{2}$ oz. 20 cts.; oz. 35 cts.

PONDEROSA. The fruits are very solid, almost seedless, of good subacid flavor and of immense size, frequently weighing considerably more than two pounds. Good Tomato for home use; splendid slicer. Pkt. 15c.; $\frac{1}{2}$ oz. 40c. oz. 75c.

GOLDEN QUEEN. "Queen of all the Yellows." Its superior flavor has brought it into general favor as a table fruit. Pkt. 10 cts.; $\frac{1}{2}$ oz. 35 cts.; oz. 60 cts.



Small-Fruited Pear Tomato

TOMATOES

Sow thinly about the first week in March in a hotbed, greenhouse, or window, where the temperature is never below 60 degrees. When 2 inches high, set out the plants in boxes about 4 inches apart, or pot singly. After all danger of frost is past they may be transferred to the open ground. Set them deeply, 4 feet apart, and a shovelful of rotted manure should be mixed in the earth of each hill. If the vines are trained on trellis, the fruit will be finer and larger.

BONNY BEST. Of about the same season as Chalk's Jewel, but fruits average somewhat smaller. They are of bright scarlet color, always smooth, and of remarkably uniform size and shape. Pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.

CHALK'S EARLY JEWEL. Within a week to ten days as early as the famous Sparks' Earliana, it is even a heavier cropper, with Tomatoes of larger size. The large, handsome fruits are very solid, deep through, brightest scarlet, ripening right up to the stem without any cracks or green core. Flesh thick, bright scarlet, solid, with comparatively few seeds and of sweet flavor. Pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.

Sparks' Earliana. One of the best and most popular extra-early sorts, and are produced in great profusion. Pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.

GLOBE. Fruit globe-shaped, very early, large-sized, smooth, and firm-fleshed; very productive; in color, glossy rose, tinged with purple; quality excellent. Pkt. 10 cts.; $\frac{1}{2}$ oz. 30 cts.; oz. 50 cts.

JOHN BAER. An extra-early variety. Fruits are large and very attractive, round in shape, smooth, firm, and of excellent quality. It ripens early and continues to bear fruit throughout the season. Pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 45 cts.

SUPERB SALAD. Small, very smooth red fruit suitable for serving whole in salads. Very prolific. Pkt. 10 cts.; $\frac{1}{2}$ oz. 25 cts.; oz. 40 cts.



Stone Tomato

FORCING TOMATOES

The following varieties are excellent for growing under glass during winter as well as for outdoor culture.

AILSA CRAIG. A very heavy cropper of perfect-shaped fruit; excellent flavor. A free setter. Pkt. 25 cts.

BIDE'S RECRUIT. A very prolific English Tomato. Fruit of medium size, bright red in color, and of excellent quality. Pkt. 25 cts.

CARTER'S SUNRISE. A heavy cropper, free setter, and bears fine, medium-sized fruits of excellent quality and flavor. Pkt. 25 cts.

COMET. This is a very popular sort for growing indoors or out, with a medium-sized fruit, almost round, and of a rich scarlet color. Pkt. 15 cts.

FILLBASKET. A most healthy and vigorous cropper of well-formed, medium-sized fruit; excellent for forcing. Pkt. 25 cts.

SMALL-FRUITED TOMATOES

For pickling and preserving; also invaluable for garnishing.

Red Cherry. Small fruits, used for pickles; very handsome.

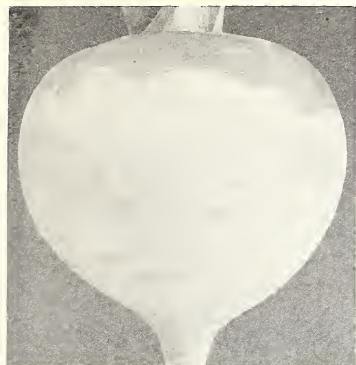
Red Pear. Fruit handsome and solid; fine for preserves.

Red Plum. Bright red; round, regular; for pickles.

Yellow Pear. Handsome, yellow, pear-shaped fruits.

Yellow Plum. Round and regular, bright yellow; used for pickles.

Each, pkt. 10 cts.; $\frac{1}{4}$ oz. 20 cts.; $\frac{1}{2}$ oz. 35 cts.; oz. 60 cts.



Purple-Top White Globe Turnip

TURNIP

One ounce will sow about
150 feet of drill

For early Turnips, sow as soon as the ground opens in spring. Rutabagas should be sown from any time in July to August 1; but the other kinds, for winter use, may be sown from the middle of July to the end of August. Turnips are generally sown broadcast, but much larger crops are obtained (particularly of the Rutabagas) by cultivating in drills $1\frac{1}{2}$ feet apart, and thinning to 6 inches in the drill. Sow in drills, one pound to the acre; broadcast, two to three pounds to the acre.

Purple-Top Strap-Leaf. Most extensively used of the flat Turnips. White skin sweet and tender. Pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. 75 cts.

EARLY WHITE STRAP-LEAF. A fine early variety for family use. Pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. 75 cts.

Purple-Top White Globe. A very handsome globe-shaped variety; valuable for table or stock. Pkt. 10c.; oz. 20c.; $\frac{1}{4}$ lb. 40c.; lb. \$1.

PERFECT MODEL. The roots are beautiful in shape, pure white in color, and delicious in flavor. Pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. 85 cts.

GOLDEN BALL. This is the most popular of all the yellow garden varieties; shape perfectly globular; skin deep orange-yellow, and flesh of the finest quality. Pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. 85 cts.

YELLOW GLOBE. An excellent sort for early or late sowing; good cropper, fine keeper; excellent for table or stock. Pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. 75 cts.

YELLOW ABERDEEN PURPLE-TOP. A very hardy and productive variety of excellent quality; good for either table or stock. Pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. 75 cts.

RUTABAGA, OR SWEDISH TURNIP

Rutabagas are principally grown for winter crop. The roots grow to an enormous size; flesh tender and sweet. In the latitude of Philadelphia, seed should be sown from the first to the middle of July to make large roots for winter keeping.

IMPROVED PURPLE TOP. (Special Strain.) Very hardy and productive; flesh yellow, solid, and sweet; excellent for table or stock. Pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. 75 cts.



Dill

Thyme

Horehound

Anise

Lavender

Sweet Marjoram

Fennel

SWEET AND MEDICINAL HERBS

Used for various culinary and medicinal purposes. Sow seeds of the perennials, marked thus (*) carefully in hotbeds early in the spring, and at the proper time transplant in permanent beds, in rows about $1\frac{1}{2}$ feet apart, setting the plants a foot apart in the row. In the winter they should be slightly protected with manure. The others are annuals, coming to perfection the first year, after which they die. Sow them in the open ground, early in the spring, in drills 12 to 15 inches apart, and thin out. For winter use, they should be cut just as they come into flower, tied in bunches and hung in a light, airy place indoors.

All varieties, except where noted, 10 cts. per pkt.

Anise. Used for flavoring.

Balm.* Made into Balm tea for fevers.

Pkt. 20 cts.

Basil, Sweet. For soups and stews.

Borage. A pot-herb and for bees.

Caraway. Seeds are used in cakes, etc.

Chives.* Used for garnishing.

Coriander. Seeds used in confectionery.

Catnip or Catmint.* An excellent tonic

for cats. Pkt. 20 cts.

Dill. Used for pickling. Oz. 20 cts.

Fennel.* Used for pickling and sauces.

Horehound.* Valuable for medicine.

Lavender, True.* Used in perfume. Pkt.

15 cts.

Marjoram, Sweet.*

Rosemary.* Aromatic; for seasoning. Pkt.

15 cts.

Sage.* Used for flavoring. Oz. 35 cts.

Savory, Summer. For flavoring.

Savory, Winter.* A hardy form.

Thyme.* For sauces and dressings. Pkt.

15 cts.

Wormwood.* Beneficial to poultry.

VEGETABLE AND FLOWER PLANTS

For the convenience of those who prefer to use plants, and those who have been too late to start their gardens from seed, we offer the following list of strong, sturdy plants, ready for use at about the date indicated after each kind.

VEGETABLES

	Doz.	100	1,000
Artichoke, Green Globe.....	\$1 50	\$10 00	
Cabbage. Ready April 1.....		1 00	\$8 50
Cauliflower. Ready April 1.....	75	5 00	
Celery. Ready July.....		75	6 00
Eggplant. Ready May 15.....	1 00	7 00	
Lettuce. Ready April 1.....		75	6 00
Parsley. Ready April 1.....	1 00	7 00	
Pepper. Ready May 15.....	1 00	7 00	

	Doz.	100	1,000
Sweet Potato. Ready June 1.....		\$0 75	\$5 00
Tomato. Ready May 1.....		\$0 75	5 00

FLOWERS

Aster. Ready May 1.....	1 00	7 50
Cosmos. Ready May 1.....	1 00	7 50
Salvia. Ready May 1.....	1 50	10 00
Zinnias. Ready May 10.....	1 50	10 00

CLOVER SEEDS

Alfalfa, Northern-Grown (*Medicago sativa*). Yields enormous crops of hay for many years. On good soils, three to four cuttings per season can be made. Sow 20 to 30 pounds per acre. Lb. 45 cts.

Grimm Alfalfa. Greatly improved; very vigorous, and the hardest Alfalfa known. Yields heavy crops. Lb. 75 cts.

Alsike. A very hardy clover; on rich, moist soils it yields enormous crops. Lb. 40 cts.

Sweet Bokhara (*Melilotus alba*). Grown for bee-food and a fertilizer. Sow 20 pounds to the acre. Lb. 40 cts.

Prices for quantities larger than 5 pounds will be quoted on request

FANCY RECLEANED GRASS SEEDS

Owing to the variations in market value, the prices quoted below are subject to change without notice
Write for special prices on larger quantities

Canada Blue Grass (*Poa compressa*). A suitable grass for hard, dry soils. Excellent for rooting on steep places. Sow 60 pounds to the acre. Lb. 50 cts.

Creeping Bent, True (*Agrostis stolonifera*). Well adapted for most soils. Makes thick velvety putting greens and is very fine-leaved. Sow 60 pounds to the acre. Lb. \$1.50.

Chewing's New Zealand Fescue (*Festuca*). Especially recommended for golf putting greens and lawns; succeeds on all soils. Lb. 50 cts.

Crested Dog's-Tail (*Cynosurus cristatus*). A hardy permanent grass for lawn and permanent pasture. Lb. 65 cts.

English Ryegrass (*Lolium perenne*). Invaluable for permanent pastures, as it forms compact sward, remains bright and green throughout the season, and is a rapid grower. Sow 60 pounds to the acre. Lb. 25 cts.

Fine-leaved Sheep's Fescue (*Festuca ovina tenuifolia*). The leaves are small, wire-like, very fine but tough and stiff. The color is beautiful dark green. Valuable for lawns subjected to hard wear, tees, and putting greens. Lb. 75 cts.

Hard Fescue (*Festuca duriscula*). A dwarf-growing, early, very hardy, robust grass, succeeding well in dry soils and fine for permanent pasture. Sow 30 pounds to the acre. Lb. 50 cts.

Italian Ryegrass (*Lolium italicum*). Thrives on any good soil and is unequalled for producing feed early in the spring as well as throughout the season. Responds quickly to rich food and moisture, and is a rapid grower. Sow 60 lbs. to the acre. Lb. 25 cts.

Waterer's Permanent Pasture and Hay Mixture. Far superior to any other mixture for producing permanent hay and pasture. A mixture of varieties which will form a permanent pasture that lasts for years. Composed chiefly of native and acclimated grasses, which have been found to be best. These are blended in their proper proportions to give the desired results. Sow on new land which has been plowed and harrowed, at the rate of 60 pounds per acre; on ground partly covered, about 30 pounds per acre. Pk. \$1.75; bus. (20 lbs.) \$6.50.

Prices change with the market. Write for lowest prices when ready to order

Medium Red (*Trifolium pratense*). The common red clover, largely grown throughout the country. Pure clean seed of highest quality and germination. Lb. 50 cts.

Crimson or Scarlet (*Trifolium incarnatum*). An annual clover of quick growth; very nutritious and rich in protein. Splendid as a cover-crop and for green-manuring, adding humus and nitrogen to the soil. Lb. 30 cts.

White (*Trifolium repens*). A low-growing clover used in mixtures for permanent pasture and for lawns. Lb. 85 cts.

Prices for quantities larger than 5 pounds will be quoted on request

Kentucky Blue Grass (*Poa pratensis*). This is suited to a variety of soils and is largely used as a pasture grass. It is unusually early, and presents a beautiful green appearance in early spring when other grasses are still dormant; revives with first rainfall after a long drought. Sow 60 pounds to the acre. Lb. 50 cts.

Meadow Fescue (*Festuca pratensis*). One of the finest grasses for permanent pastures, highly nutritious and relished by stock. Succeeds well in all soils but best on moist land. Robust in habit and grows over a long season. Sow 50 to 70 pounds to the acre. Lb. 40c.

Orchard Grass (*Dactylis glomerata*). A deep-rooted, very nutritious grass; does well in shady places and is of great value for hay and permanent pasture. Lb. 35 cts.

Red or Creeping Fescue (*Festuca rubra*). Fine for lawns. Resists drought; valuable for seeding embankments and exposed locations, as it binds the soil. Forms a very close, durable turf; much used on putting greens. Lb. 60 cts.

Red-top, Fancy Recleaned (*Agrostis vulgaris*). An excellent grass for lawns and pastures. We offer only fancy, recleaned seed, entirely free from chaff. Lb. 60 cts.

Sheep's Fescue (*Festuca ovina*). Short and dense in growth; excellent for lawns. Lb. 50 cts.

Sweet Vernal, True Perennial (*Anthoxanthum odoratum*). Valuable for lawns and pasture. Emits a very fragrant odor when cut. Lb. \$1.

Timothy (*Phleum pratense*). XXX fancy, recleaned, either alone or with red-top and clover, it furnishes the best hay. Lb. 20 cts.

Wood Meadowgrass (*Poa nemoralis*). Grows well in shade. Lb. 85c.

FARM SEEDS

Barley

Barley needs a rich land, more sandy and lighter than that adapted to wheat, and can be grown farther north than any other grain. Sow 1½ to 2 bushels to the acre if drilled; 2 to 2½ bushels broadcast. Bushel weighs 48 pounds.

Spring and Beardless. Market price.

Millet

Nothing pays better for a stock-raiser and dairyman than a few acres of Millet. Valuable as a milk-producer, and yields double the quantity of hay per acre as timothy and clover. Greatly relished by stock.

German, or Golden. Sow 1 bushel (50 pounds) to the acre. Larger and heavier than the Hungarian and yields a much heavier crop, but is later. Should be sown in this latitude from April to July 10. Market price.

Hungarian. Does especially well on rich soils and makes a finer quality of hay than Golden Millet. Market price.

Field Corn

Sow 8 quarts to the acre in early May.

Golden Beauty. The largest grained and handsomest yellow corn. Market price.

Reid's Yellow Dent. A carefully selected strain. Market price.

Improved Leaning. A very popular and productive variety. Market price.

White-Cap Extra Early. Market price.

Red Cob Ensilage. Long, narrow, white grains. A late maturer, and used for silo, green feed, or ensilage; as it is a tall, rank grower and prolific in leaves. Market price.

Canadian Field Peas

Valuable for northern climates for cattle-feeding and for green soiling, and is also used in large quantities for feeding pigeons. Sow 3 bushels per acre alone, or 1½ bushels with 1 bushel oats. Bushel weighs 60 pounds. Market price.

Cowpeas

Sow 1 bushel to the acre broadcast or ½ bushel drilled in rows about 30 inches apart, in May or June, depending on whether the soil is warm enough to plant them. They may also be sown up to the end of July.

Whip-poor-will. Very early, maturing in about 70 days. Makes a very heavy growth but does not trail like the Wonderful. Best for pasture. Market price.

Extra-early Black-eye. Extra-early, maturing in about 60 days. Market price.

Rape

Dwarf Essex. Sow 6 pounds per acre broadcast, from April 1 to October 1. It produces enormous crops, and is ideal green manure. Stock feeding on it should have ready access to salt. Lb. 30 cts.; 5 lbs. \$1.25.

Oats

Welcome. An excellent variety, productive and heavy. Sow 2½ to 3 bushels to the acre. Bushel weighs 32 pounds. Market price.

Spring Wheat

A desirable crop to sow where fall-sown wheat has been killed by severe winter. The grain is very hard, of excellent milling quality.

Rye (for Seeding)

Spring. An excellent early green food, or for pasture. The grain is used for feeding and other purposes; the straw is of fine quality, making a larger yield than the winter rye from which it is quite distinct, the seed being smaller. Sow from May 1 to June 1. Bushel weighs 36 pounds.

Soy Beans (Soja Beans)

For hay, soil-improvement, and pasture. When planted alone, make rows wide enough to cultivate and use 40 pounds of seed per acre; if sown broadcast, 60 pounds per acre; when sown in corn, 30 pounds per acre. They do well on light and heavy soils; when plowed under will enrich any soil.

Mammoth Yellow. Makes a large growth. Market price.

Wilson Black. One of the best for hay. Market price.

Sunflower

Mammoth Russian. This makes a splendid poultry-food, especially for winter use, on account of its heating and fattening qualities; will yield sometimes as high as 60 bushels per acre. Sow 10 quarts per acre in drills 3 feet apart, dropping the seed about every 4 inches. Lb. 15 cts.; 5 lbs. 60 cts.

Vetches

Winter, Hairy, or Sand. Used as a cover crop. Sow from August 15 to October 1, using 1 bushel (60 pounds) to the acre. Price on application.

Spring. Bushel weighs 60 pounds. Market price.

SUMMER-FLOWERING BULBS AND PLANTS

AMARYLLIS

An easily-grown plant of wondrous beauty. On receipt of the bulbs they should be placed where they will always be slightly moist and warm—under the benches of a greenhouse, for example. Do not pot up the bulbs before the flower-buds appear; when first potted, give very little water, and promote growth by giving moderate bottom heat; increase the supply of water as the plants progress. Very often the mistake is made of potting up the bulbs too early; the consequence is that only leaf-growth is made.

Giant Hybrids. A re-selected strain of the very largest flowered sorts, ranging in color from almost pure white, through various shades of pink, to the deepest scarlet, some with beautiful markings and mottled throats. They are of vigorous growth, free-flowering habit, and enormous size of the individual flowers. We offer mixed varieties only, in very strong bulbs. 85 cts. each; \$9 per doz.

BEGONIAS (Tuberous-Rooted)

There is hardly a garden in which there are not partly or entirely shaded spots where the average flower will not grow. Such places are ideal for this flower, yet it will make a dazzling show in the open. Enormous wax-like flowers appear uninterruptedly from June till frost. The bright flowers contrast well with the deep-colored foliage. The bulbs must be lifted in the fall.

Single Begonias. Red, Rose, Salmon, Yellow. 25 cts. each; \$2.50 per doz.; \$17.50 per 100.

Double Begonias. Red, Rose, Salmon, Yellow. 30 cts. each; \$3 per doz.; \$18 per 100.

CALADIUM ESCULENTUM (Elephant's Ear)

A fine tropical plant that is easily grown and very effective for beds, borders, or for planting out on the lawn. It will grow in any good garden soil and is of the easiest culture. The soil best suited to Caladiums is a mixture of fibrous loam, leaf-mold, peat, and well-rotted cow or sheep manure in equal parts, with a sprinkling of sand added. Bulbs may be planted outdoors as soon as danger of frost is over, covering about 3 inches deep. To obtain the best results it should be planted where it will obtain plenty of water. Foliage light green. When full size, it stands 4 to 6 feet high, and bears immense leaves, 3 to 4 feet long by 2½ feet wide.

	Each	Doz.	100
Monster bulbs.....	\$0 30	\$4 00	\$27 50
Mammoth bulbs.....	25	2 75	17 50
First-size bulbs.....	20	2 00	10 00

Fancy-Leaved Caladiums. Fine for decorating the conservatory, greenhouse, and window-boxes, also for planting outdoors when ground has become warm. **Named Varieties.** 35 cts. each; \$3.50 per doz.

CALLA LILIES

Golden Yellow Calla. This is the Yellow Calla of marvelous beauty, the flowers being as large as the popular white winter-flowering variety and is of a rich lustrous golden yellow. The foliage is dark green with numerous white spots which gives the plant a very ornamental appearance. 50 cts. each; \$5 per doz.



Tuberous-rooted Begonias



Caladium esculentum

CINNAMON VINE

A rapid-growing climber, taking its name from the peculiar fragrance of the delicate white flowers. The leaves are heart-shaped, bright glossy-green; growth is very rapid, often running 25 to 40 feet; quite hardy. Large select roots, 10 cts. each; \$1 per doz.

GLOXINIAS

Gloxinias make excellent house plants and succeed well in a sunny window in the spring months. They may be started in February in a shallow box about 2 inches deep, the bottom of which has been covered with about one inch of sphagnum moss. Spread the bulbs out on the moss, about ½ inch apart, and cover them with more moss to the depth of about ½ inch. Keep the bulbs in a temperature of about 68 degrees. In about two weeks both tops and roots will have made a start. The bulbs should then be potted into 4-inch pots in ordinarily good garden soil, and will flower profusely during May and June. Be careful to keep water off the foliage and shade the plants from direct sunlight as the season advances.

All Colors Mixed. 35 cts. each; \$3.50 per doz.

ISMENE CALATHINA

(Pancratium Lily, or Peruvian Daffodil)

One of the choicest of our summer-flowering bulbs, bearing a profusion of handsome clusters of large, very striking, fragrant white flowers in form not unlike gigantic snowy daffodils with greenish markings and curiously balanced anthers resting upon the rim of the cup. Bulbs should be kept warm and dry and planted out in the middle of May. They will commence flowering in July. They may be taken up in October and potted to flower in the winter or be kept over winter and planted out again the next season. They increase rapidly. Large bulbs, 25 cts. each; \$2.50 per doz.; \$15 per 100.

MADEIRA OR MEXICAN VINE

A beautiful and popular vine covering a large space in a short time. Much prized for porches and arbors because of its rapid growth and freedom from insects. Thick, glossy leaves of a light green color and numerous racemes of feathery white flowers of delightful fragrance. Large, selected roots, 10 cts. each; \$1 per doz.; \$7.50 per 100.

TUBEROSES

Excelsior, White Pearl. The Tuberose is one of our finest summer-flowering bulbs. The flowers are waxy white, double, and exceedingly fragrant—a single flower will perfume a room. They do best in a rich, warm soil and a sunny situation. Plant about May 1 in the open ground, but the bulbs may be started in pots much earlier.

	Each	Doz.	100
Extra-large bulbs.....	\$0 10	\$1 00	\$7 00
First-size bulbs.....	07	75	4 50

If unable to find what you want refer to index, on third cover page



Decorative Dahlia

DAHLIAS

DECORATIVE VARIETIES

Decorative Dahlias are the largest flowering of any type. The petals are long, broad, and flat and the flowers are double and full to the center. As a garden flower or for cutting to brighten indoors the Decorative type will afford much pleasure.

Amun Ra. Of great size, in richest shades of copper bronze; stems are long and stiff and the flowers keep splendidly. \$1 each.

Bonnie Brae. Cream, shaded blush-pink. Flowers are of true decorative form, immense in size. 75 cts. each.

Break o' Day. A delicate, clear sulphur-yellow, tinting to sulphur-white at the tips. The petals are of great substance, illuminated by a satiny sheen, giving the flowers a waxy appearance. 50 cts. ea.

Colossal Pink. Color clear pink, tinting lighter at tips of petals and at center. An early and profuse bloomer. \$1.50 each.

Dream Girl. Pale lemon-yellow at base of petal, shading to rosy red at tip; reflex pale pink and white. The flowers are of good size, of beautiful, regular form, and borne well above foliage on straight stiff stems. Lovely and entirely distinct. \$1 each.

Fireburst. A massive flower of soft orange-red. A free bloomer; ripe for garden or exhibition. 50 cts. each.

Giant Ruby. Classed among the best red Dahlias. Beautiful vivid red, enormous flowers with full center and good stem. Excellent for exhibition, also garden decoration. \$2.50 each.

Greinberg's Oriental. (New.) This new variety is a great acquisition to our list of Dahlias. The plants are of strong, vigorous growth and produce on long, stout stems, enormous flowers of beautiful crimson lake, suffused vermilion. \$10 each.

Grizzly. The largest deep bright red grown; 10 inches is very free to attain with this monster. For a large Dahlia it is very free-flowering. \$1 each.

Hortulanus Fiet. A colossal flower of the most delicate shade of shrimp-pink. The entire flower has a suffusion of delicate tints of red and gold, which gives a glow of great charm. \$1 each.

Jane Hall. Color, clear buff yellow, with a bronzy suffusion on the outer petals, which sets off the bright high full center. The plant is an early and continuous bloomer. \$1 each.

Jersey Beauty. A vivid, glowing pink; immense, deep, and massive flowers of perfect form; petals regularly placed. Flowers always erect, on long, strong stems. \$2 each.

Kitty Dunlap. A large, fine, pure cerise-rose flower 7 to 8 inches across. A free bloomer on long, cane-stiff stems. \$1 each.

L. Kramer Peacock. The ideal white Decorative for garden or cutting. The flowers are large, of perfect form, pure white, and of great substance. 35 cts. each.

Mina Burtle. A rich luminous dark scarlet, on long stiff stems; splendid both for cutting and garden decoration. 35 cts. each.

Mrs. I. de V. Warner. An exquisite shade of mauve-pink; beautifully formed and of immense size—10 inches across. An early and very free bloomer with exceedingly strong stem. \$1 each.

Mrs. J. Harrison Dick. A fine cut-flower variety. Color citron-yellow in center, outer petals overlaid and suffused salmon pink. Free bloomer. 35 cts. each.

DECORATIVE DAHLIAS, continued

Patrick O'Mara. The color is an unusually soft and pleasing shade of orange-buff, slightly tinged with Neyron rose, 75 cts. each.

Pond Lily. (New.) Very large pink flowers, suffused purple, on long stems. A very attractive variety. \$3 each.

Pride of Wayne. Produces rich plum color flowers of enormous size, on stiff stems. A fine exhibition variety. \$1.50 each.

Rodman Wanamaker. One of the largest Dahlias in existence. The giant flowers are of wonderful form and contour, entirely distinct, and the "autumn shades and tints" so exquisitely blended that it is undoubtedly the best Dahlia yet produced. \$5 each.

Senator Baird. Immense size and beautiful, regular form. Color rich glowing crimson. \$1.50 each.

Shudow's Lavender. A wonder large flower of lavender, shading to white. One of the best of the newer Dahlias. \$2.50 each.

Snowdrift. Immense, pure white blooms. The plant is a dwarf grower of branching habit, and a free bloomer. One of the largest and best. 75 cts. each.

Wizard of Oz. Immense amber-pink blooms, borne on rigid stems. Shaded salmon. \$2.50 each.

SHOW DAHLIAS

Show Dahlias are the old, large, round and quilled flowers, sometimes called the Ball Dahlias.

A. D. Livoni. Clear, bright pink, quilled petals, the best pink show Dahlia. 25 cts. each.

Clara Seaton. Immense yellow, suffused golden buff. Very large, quilled petals. 75 cts. each.

Dorothy Peacock. A bright seashell pink color. 35 cts. each.

Drer's Yellow. An immense clear yellow, with full center and quilled petals. 35 cts. each.

Drer's White. A pure white of large size and formation of Grand Duke Alexis. 25 cts. each.

General Miles. One of the largest in this class. Lavender, splashed with magenta. 75 cts. each.

Gold Medal. Deep golden yellow, tipped and suffused oriental red; splendid form; very striking and effective. 50 cts. each.

Miss Helen Hollis. Very large, bright red, with quilled petals; always full at the center. One of the best. 50 cts. each.

Rosebud. Large; pink, heavily tipped rosy carmine, edged crimson. 50 cts. each.

White Swan. Large; pure white. 25 cts. each.

PEONY-FLOWERED DAHLIAS

This is the newest type. The petals are broad and often twisted, hiding the yellow center of the bloom. The flowers are very artistic, the color is very attractive, and the size is exceptionally large. The outer petals are generally irregular.

Ann Duskin. Rich maroon, shaded black, maroon center; distinct and unique. 75 cts. each.

Canada. Pure white, massive flowers with heavy petals; strong, stiff stems. 50 cts. each.

City of Portland. Large flower of clear, deep yellow. Stems very long and stiff. \$1 each.

Dr. John Lane. Pleasing Peony-flowered Dahlia of Geisha type, but larger and softer in coloring, while the plant is much stronger and more vigorous, with dark healthy foliage. Color yellow, suffused golden orange at base of petals, shading to rich bronzy scarlet toward the center and tinting lighter at the tip. 50 cts. each.

Good Hope. Enormous flower of rich scarlet and gold. \$1 each.

Gorgeous. Wonderful new red and yellow. Peony type; flowers average from 8 to 10 inches in diameter. Long strong stems; good bloomer. \$1 each.

Mrs. Howard M. Earl. Light yellow, suffused and overlaid carmine-scarlet, tipped yellow. 50 cts. each.

Pink Perfection. Luminous silvery pink, of large size and splendid form, on long stiff stems. The first flowers come fully double. 50 cts. each.

Rosalie Styles. The largest and best pink of this class. A superb cut-flower variety. 75 cts. each.

CACTUS DAHLIAS

The true Cactus type flowers are double, with long, narrow, twisted petals. The Hybrid Cactus type petals are shorter, with a broad flat appearance. The Cactus type are much appreciated because of their lasting quality after cutting.

Ambassador. The sensation of the Los Angeles show. Color soft yellow, shading to buff and salmon. Pleasing form and large size of the American Cactus. \$2 each.

Amber Glow. Bright amber, deepening to pale orange in center. Good bloomer variety. \$1 each.

Attraction. Large, elegant flower of a clear lilac-rose, borne on long stiff stems. A Dahlia of exceptional merit. 75 cts. each.

Claire Kulp. Flowers rich cardinal-red, shaded garnet, yellow at base and at tip of petals. \$1 each.

Edith Carter. Bright yellow, heavily tipped bright rosy carmine. Fine form and good size. 35 cts. each.

Eternity. A very large size, with heavy petals and great substance. Color rich plum. The giant flowers are produced freely on rigid erect stems. Exhibition and garden. 50 cts. each.



Cactus Dahlia

CACTUS DAHLIAS, continued

- Esther R. Holmes.** A wonderful orchid-pink variety, and a prize-winner. A most graceful flower on good stems. Excellent for cutting. \$1.50 each.
- Frances White.** A splendid white Cactus Dahlia of exquisite form, with long, narrow, incurved and twisted petals. Color pure white, shading to sulphur at center. 25 cts. each.
- F. W. Fellowes.** Flowers of immense size, composed of numerous long, narrow, incurved petals of a lively orange-scarlet. This is one of the largest and finest autumn shade varieties. Should be in every collection. 75 cts. each.
- George Schofield.** Medium-sized flowers of exquisite form, with long, narrow, incurving, twisting petals. Color a delicate blending of apricot and yellow, shading to white at the tips. 75 cts. each.
- George Walters.** One of the most popular favorites of the large-flowered Californians, producing its blooms very freely on long, stiff stems. They are of a pleasing salmon color with shrimp-pink shadings. 75 cts. each.
- Gladys Sherwood.** A giant, free-flowering, long-stemmed variety, the large white blooms being full to the center. 75 cts. each.
- Golden West.** This is a California variety that is in a class by itself in its color—that rich, golden, bronzy yellow, with the scarlet shading at the base of the petals and the center. 50 cts. each.
- Jenny Wren.** A fine shade of yellow, suffused and over-aid pink. An excellent exhibition variety. 35 cts. each.
- Kalif.** Very large; pure scarlet. 75 cts. each.
- Lavine.** A magnificent flower on long stems. It is a strong, vigorous grower and an early and profuse bloomer. The large white flowers are lightly suffused with pink. 25 cts. each.
- Mariposa.** Large blooms of great depth and substance. The color is a lovely shade of lilac. The stems are good and the habit of the plant is all that could be desired. \$2 each.
- Marjorie Castleton.** The color is a soft rosy pink, tinting lighter toward the center. 25 cts. each.
- Mary Dorr.** Deep amaranth-pink, with white tips and center. The flowers are large, with long, narrow, pointed, incurved petals. Splendid bloomer on fine stems. \$1 each.
- Mme. Henri Cayeux.** Clear pink; long slender petals. 50 cts. each.
- Mother.** Pure white, with the slightest tint of color. The plant is a strong, sturdy grower and a free and continuous bloomer. \$1.50 ea.
- Mrs. Edna Spencer.** A wonderful flower of orchid-lavender. Keeps well as a cut-flower. 75 cts. each.
- Mrs. Ethel F. T. Smith.** A giant variety producing extra-large flowers on long straight stems, held well above the foliage. Color creamy white, shading to lemon at center. \$1 each.
- Mrs. Richard Lohrman.** A wonderful pure, rich yellow. A fine garden flower. 75 cts. each.
- Mrs. Wammaar.** One of the best of the Holland productions. Of mammoth size, fine form and substance. Color, creamy white with apple-blossom suffusion. 75 cts. each.
- Pierrot.** Flowers amber, each petal regularly tipped white. 50 cts. ea.
- Sunset Glow.** The color is yellow at base of petal, outer part overlaid flame-scarlet, tipped yellow. It is an extremely profuse bloomer and every flower is perfect. \$1 each.
- Tom Lundy.** An introduction from California and one of the largest Hybrid Cactus Dahlias grown. Of a dark velvety red, the blooms are held on long, stiff stems. 75 cts. each.

COLLARETTE DAHLIAS

- Collarette Dahlias are single flowers with a row of different colored petals inside of the outside row, giving the appearance of a collar.
- Albert Maumene.** Velvety crimson-purple, margined white; collarette white. 25 cts. each.
- Dorlan.** Rich crimson, shaded maroon; collar white suffused crimson. 25 cts. each.
- Elgrave.** Duplex Collarette, most novel and effective, with two or more rows of petals; rich maroon, collar petals maroon, heavily tipped white. 25 cts. each.
- Marley.** Clear light canary-yellow. Fine for cutting; effective. 25 cts.
- Maurice Rivoire.** Rich crimson-maroon; white collarette. 25c. ea.
- Prince Carnival.** Very large. Soft rosy red with light collar. 25c. ea.

POMPON DAHLIAS

Pompon Dahlias are very similar to the Show Dahlias, only smaller. They are of medium growth and well suited for the border. This class was very popular years ago, and, with a great many other things, is regaining the favor of the flower-lover.

- Belle of Springfield.** A splendid variety and the finest type in Pompons. Flowers of perfect shape, soft rosy pink, and borne in profusion on slender stems above the foliage. 50 cts. each.
- Clarissa.** Pale primrose. 35 cts. each.
- Eleganta.** Deep pink, quilled petals. 25 cts. each.
- Elfin.** Very small and dainty. Light primrose-yellow. 35 cts. each.
- Fairy Queen.** Bull-yellow, edged deep carmine. 35 cts. each.
- Kleine Domitea.** Bright golden terra-cotta. 25 cts. each.
- Little Herman.** Cardinal-red, tipped white. 35 cts. each.
- Little Sweetheart.** Red, tipped white. 25 cts. each.
- Madeline.** Primrose, edged rosy purple. 35 cts. each.
- Snowclad.** The best pure white Pompon Dahlia. 35 cts. each.
- Splendens Imbricata.** Vivid cardinal-red. 25 cts. each.

CENTURY SINGLE DAHLIAS

- Bronze Century.** A new Century of immense size; rich bronzy yellow, produced profusely on long stiff stems. Splendid form and substance; especially effective under artificial light. 50 cts. each.
- Evelyn Century.** White, outer half of petals a bright violet-cerise, making a beautiful white zone around the yellow disk. Very bright and striking. 25 cts. each.
- Garnet Century.** Rich glowing garnet; fine form; on long stems; a very profuse bloomer. 35 cts. each.
- Gloxinia.** In marking and brilliancy of color, resembles the glloxinia so much as to suggest the name. Color, brilliant cerise, tinting lighter at tips, with white at base of petal. 35 cts. each.
- Josephine.** The acme of perfection in snow-white. A splendid cut-flower. 50 cts. each.
- Sunset Century.** Most strikingly effective. Yellow at base of petal, outer half deep rich vermilion. 25 cts. each.



Peony-flowered Dahlia



WATERER'S SUPERB GLADIOLUS

CULTURE. Gladiolus are easily grown in any ordinary good garden soil, provided the situation is sunny. They may be planted in rows, beds, or groups 6 inches apart, covered with 3 to 4 inches of soil. Press the

earth firmly around the bulbs. Water freely but always after sundown and cultivate frequently to prevent the surface of the soil hardening. A succession of blooms can be had by planting the bulbs at intervals of two weeks from about April 15 to July 1.

America. Exquisite, soft lavender-pink. For cut-flower use and bedding it is indispensable. 7 cts. each; 75 cts. per doz.; \$4.50 per 100.

Anna Eberius. Unusual and most artistic in color—clear rosy purple with a smoky suffusion. 10 cts. each; \$1 per doz.; \$7.50 per 100.

Baron Hulot. Rich, deep indigo-blue. 12 cts. each; \$1.25 per doz.; \$8 per 100.

Byron L. Smith. Delicate lavender, deepest at the edges of the petals, and shading toward white in the center—gives the impression of an orchid. Well arranged on good stem. 15 cts. each; \$1.50 per doz.; \$10 per 100.

Catherina. Wonderful grayish light blue, lower petals a little deeper blue with brownish red spot. A very attractive variety. 20 cts. each; \$1.75 per doz.; \$12 per 100.

Crimson Glow. Deep, brilliant crimson, overlaid with darker shades; lower petals blotched with deep velvety crimson. The flowers are immense and plentifully spread on the tall graceful stem. 15 cts. each; \$1.25 per doz.; \$9 per 100.

Early Sunrise. Deep orange-salmon, with yellowish blotch on lower petals. Very early, excellent florist's variety. 15 cts. each; \$1.50 per doz.; \$10 per 100.

E. J. Shaylor. Splendid deep rose-pink. One of Kunderl's best, ruffled varieties. Good cut-flower. 12 cts. each; \$1.25 per doz.; \$8.50 per 100.

Empress of India. Rare rich shade of dark brown-red. 12 cts. each; \$1.25 per doz.; \$8.50 per 100.

Evelyn Kirtland. Rosy pink, darker at the edges, fading to shell-pink in the center. 10 cts. each; \$1 per doz.; \$7 per 100.

Flora. Beautiful, large, pure golden yellow flowers. 15 cts. each; \$1.35 per doz.; \$9 per 100.

Golden Measure. The largest and best pure deep yellow. Tall spikes with wide-open flowers of good substance. 20 cts. each; \$1.75 per doz.; \$12 per 100.

Gretchen Zang. A lovely tone of soft pink with scarlet markings on the lower petals. 10 cts. each; \$1 per doz.; \$6.50 per 100.

Halley. Delicate salmon-pink with a slight roseate tinge, though the lower petals bear a creamy blotch with a stripe of bright red through center, the whole producing a delightful effect. 7 cts. each; 75 cts. per doz.; \$5 per 100.

Herada. Pure mauve with deeper markings in throat. 12 cts. each; \$1.25 per doz.; \$7.50 per 100.

Kunderl Glory. Every petal is exquisitely ruffled and fluted. Delicate cream-pink with crimson stripe. 12 cts. each; \$1.25 per doz.; \$8 per 100.

Le Marechal Foch. A magnificent new soft flesh-pink with enormous bloom borne on unusually strong, vigorous spikes. Early. 7 cts. each; 75 cts. per doz.; \$5 per 100.

L'Immaculee. Pure white; very fine. 12 cts. each; \$1.25 per doz.; \$8 per 100.

Liebesfeuer (Love's Fire). Dazzling scarlet, perfectly placed flowers on strong stem. The best scarlet today. 15 cts. each; \$1.50 per doz.; \$10 per 100.

Lily-White. Creamy white, shading to cream in the center. Very early. Good cut-flower. 8 cts. each; 85 cts. per doz.; \$6 per 100.

Loveliness. Very large flowers of creamy white, suffused with soft pink. A lovely variety. 15 cts. each; \$1.50 per doz.; \$10 per 100.

Mrs. Dr. Norton. Fresh clear apple-blossom pink; large flowers on long, slender spikes; distinct in form, with all the daintiness of a Sweet Pea. 10 cts. each; \$1 per doz.; \$7 per 100.

Mrs. Francis King. Color is brilliant, vermilion-scarlet. It is one of the best for cut-flower purposes. The individual blooms are as much as 4½ inches across and five or six are usually expanded at one time, the reserve buds opening as the older flowers pass. 7 cts. each; 75 cts. per doz.; \$5 per 100.

Mrs. Frank Pendleton. The flowers are very large and well expanded, of a lovely flushed salmon-pink with deep blood-red blotches in the throat, presenting a vivid contrast. 8 cts. each; 85 cts. per doz.; \$6 per 100.

Odin. A little deeper than Prince of Wales, with larger flowers and small deep red spot on lower petals. Very early. 12 cts. each; \$1.25 per doz.; \$7.50 per 100.

Panama. A seedling of America and a great improvement on that variety; a larger flower and a deeper pink. One of the very best. 7 cts. each; 75 cts. per doz.; \$5 per 100.

Peace. Flowers are large, of good form, correctly placed on a heavy, straight spike. Color beautiful white, with a pale lilac feathering on the lower petals. 7 cts. each; 75 cts. per doz.; \$5 per 100.

Pink Perfection. This magnificent sort is a soft apple-blossom-pink with chamois suffusion that is very attractive. 15 cts. each; \$1.50 per doz.; \$10 per 100.

Prince of Wales. An early-flowering sort with fine spikes of large flowers of delicate apricot-pink suffused salmon. 10 cts. each; \$1 per doz.; \$6.50 per 100.

Schwaben. Pure canary-yellow with a carmine blotch deep in the throat. The flowers are large, borne on strong stems, well placed; frequently six to eight open at one time. 8 cts. each; 85 cts. per doz.; \$5.50 per 100.



In cutting Gladiolus for the house, it is best to cut the spikes as soon as the first one or two lower flowers are open. The remainder will open in the house. Remove the faded flowers, cut a little off the stem, and change the water every day; treated in this way a spike will last a week or ten days and as a rule the colors are more refined when developed in the house.



Waterer's Collection of Superb Gladiolus

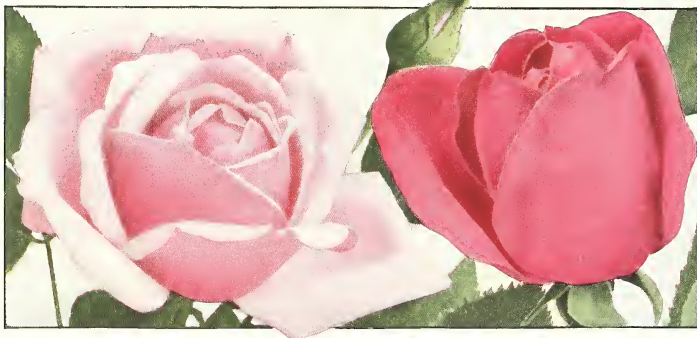
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|-----------------------------------|--------------------------------------|
| 1. Halley. Salmon-pink. | 4. Yellow Hammer. Yellow. |
| 2. L'Immaculee. White. | 5. America. Soft lavender-pink. |
| 3. Empress of India. Deep maroon. | 6. Mrs. Francis King. Light scarlet. |

No. 1 COLLECTION, 3 each of the above for \$1.50, postpaid

No. 2 COLLECTION, 6 each of the above for \$2.75, postpaid

No. 3 COLLECTION, 12 each of the above for \$5.25, postpaid

*For complete list of Gladiolus,
see pages 60 and 63*

**RADIANCE**

Bright pink flowers, very freely produced by a vigorous, healthy plant.

RED RADIANCE

Light red flowers. Similar in all other respects to Radiance.

6 Roses, 1 each on this page . . . \$6.50

12 Roses, 2 each on this page . . . \$12.00

The plants we send are pot-grown,
2 years old

COLUMBIA

Shining pink flowers of good lasting quality — fine for cutting.

**GRUSS
AN TEPLITZ**

Big bushes of bright crimson flowers always in bloom.

**LADY HILLINGTON**

Rich yellow scented buds and flowers of exquisite beauty.

LOS ANGELES

Golden pink blooms with a flash of flame; fragrant and beautifully formed.



Pot-grown plants,
one of each of the
above Roses, \$6.50.

Two-year-old plants.
2 of each of the above
Roses, \$12.

WATERER'S SUPERB GLADIOLUS, continued

- War.** A fitting companion in color to Peace. Deep blood-red, shaded crimson-black. A splendid exhibition variety. 12 cts. each; \$1.25 per doz.; \$7.50 per 100.
- Wilbrink.** A favorite variety for cutting; very early flowering; color delicate pink. 8 cts. each; 85 cts. per doz.; \$5.50 per 100.
- Willy Wigan.** A beautiful blush tint, with long, bright crimson blotch on lower petals. The effect of the crimson on the cream petals is most pleasing. 12 cts. each; \$1.25 per doz.; \$8 per 100.
- Yellow Hammer.** A pleasing rich yellow, penciled with dark red on the lower petals. 10 cts. each; \$1 per doz.; \$7 per 100.
- Giant-flowering Mixture.** An unexcelled blend of the largest possible number of fine and distinct varieties. 7 cts. each; 75 cts. per doz.; \$5 per 100.
- Fine Mixture.** A popular low-priced mixture composed of all colors and shades. 15 cts. for 30 cts. per doz.; \$3 per 100; \$27.50 per 1,000.

PRIMULINUS GLADIOLUS

Although the individual flowers are not large, they carry an air of grace altogether different from the more or less stiff effect of other Gladiolus.

	Each	Doz.	100
Alice Tiplady. Rich orange.....	\$0 12	\$1 25	\$7 50
Butterfly. Pale salmon-yellow. Tall, slender spikes of large, ruffled flowers.....	12	1 25	7 50
Dorothy Wheeler. Superb shade of pink.....	15	1 35	9 00
Maiden's Blush. Delicate shell-pink.....	10	1 00	6 50
Ming Toy. Showy deep buff, with yellow throat. Large flowers on tall strong stem. Very pleasing variety.....	20	1 75	12 00
Myra. Rich salmon on yellow ground.....	10	1 00	6 50
Souvenir. Superb deep yellow self.....	15	1 50	10 00
Primulinus Hybrids, Mixed. A most extensive assortment of all the newest and rarest hybrids.....	07	75	4 50

HARDY LILIES

All Lilies should be planted from 6 to 8 inches deep, the Speciosum varieties even 12 inches deep. The bulbs themselves should be completely enveloped in sand; no manure should come in contact with them, but may be placed 4 to 6 inches underneath.

Auratum (Golden-banded Lily). Enormous, frequently measuring 8 to 12 inches across; pure white, spotted crimson, each petal marked in the center with a band of yellow. Flowers in August; delightfully fragrant.

	Each	Doz.	100
Mammoth bulbs.....	\$0 50	\$5 00	\$37 50
Monster bulbs.....	60	6 50	45 00

Speciosum album. The best late-flowering pure white hardy garden Lily; of easy culture.

	Each	Doz.	100
Mammoth bulbs.....	\$0 75	\$7 50	\$56 50

Speciosum Melpomene. White blooms, heavily spotted and overlaid with crimson.

	Each	Doz.	100
Mammoth bulbs.....	\$0 50	\$5 00	\$37 50
Monster bulbs.....	60	6 50	45 00

Speciosum magnificum. An enormous flower; rich deep red, spotted crimson; blooms in August.

	Each	Doz.	100
Mammoth bulbs.....	\$0 50	\$5 00	\$37 50
Monster bulbs.....	60	6 50	45 00

Speciosum rubrum (*L. speciosum roseum*). A very popular variety. Rosy white, heavily spotted with rich crimson.

	Each	Doz.	100
Mammoth bulbs.....	\$0 50	\$5 00	\$37 50
Monster bulbs.....	60	6 50	45 00

Henri. This beautiful and rare variety closely resembles the Speciosum type, and has been called the "Yellow Speciosum," the flowers being a rich apricot-yellow with a few brown spots. Grows 3 to 5 feet high. 75 cts. each; \$7.50 per doz.

Tigrinum splendens (Improved Tiger Lily). Bright orange-red, spotted with black; very showy. 4 to 5 feet. 25 cts. each; \$2.75 per doz.; \$20 per 100.

Tigrinum flore-pleno (Double Tiger Lily). Orange-red, spotted with black; double showy flowers. 30 cts. each; \$3 per doz.; \$22.50 per 100.

Hansonii. Reddish orange, eight to twelve in a cluster; petals thick, durable. 3 to 4 feet. 75 cts. each; \$7.50 per doz.

Regale (*L. myriophyllum*). This variety from western China is admittedly one of the most beautiful Lilies yet introduced. It grows 3 to 5 feet high, and blooms outdoors in July. It is perfectly hardy and flourishes under very varied conditions. The large, trumpet-shaped, delicately scented flowers, which are produced freely, are ivory-white shaded pink, tinged with canary-yellow at the base of the petals. It is also excellent for forcing. Strong-flowering bulbs, 75 cts. each; \$8 per doz.



Primulinus Gladiolus



Lilium speciosum



ROSES FOR YOUR GARDEN

Few plants, indeed, give greater satisfaction and more joy to the garden-lover than the Rose, and few are as easily grown, so that even the amateur, who has never tried it before, has the assurance of success if simple directions are followed. The modern everblooming or Hybrid Tea Roses offer the widest range for selection. These Roses bloom continuously from June until frost and give the greatest satisfaction. Many recent developments have outclassed former favorites, and our list includes only the finest, sturdiest, and hardiest of the modern everblooming sorts. Dormant Roses are strongly recommended and they should be planted as soon as possible after the ground has opened, preferably during April and early May. After May 15, when growth has started, we ship pot-grown plants.

Planting. We recommend spring planting of 2-year-old stock that has been prepared far in advance by being potted up in the fall and carried through the winter in coldframes. These plants have an active, fibrous root system and are shipped during the month of

May. They are in bud at all times during the season and ready to begin blooming at once. The ball of earth surrounding the roots should be planted 3 inches below the surface of the soil and thoroughly watered. Grafted or budded Roses are more vigorous, produce more and better flowers, are more hardy and are less susceptible to disease. If planted as directed, wild suckers will rarely appear. These may be easily detected as they always appear below where the plant is grafted and budded, and should be removed at once.

Summer Culture. The rose-bed should be cultivated every week, and a light syringing during the latter part of the day is beneficial. During dry periods, thoroughly soak the bed until the water is not immediately absorbed, and after watering, the bed should be cultivated as soon as the ground can be worked.

Insects. For green fly or aphids, we recommend a solution made of one heaping tablespoonful of soft soap dissolved in three gallons of water. To this add a tablespoonful of Black-Leaf 40. This, applied

in a fine spray, will prove an infallible remedy.

Pruning. Hybrid Perpetuals should be pruned as early in spring as the weather permits—not in the fall. Thin out weak shoots and side growths and cut back the remaining wood to from two to eight eyes. Hybrid Tea and Tea Roses require the same treatment as the Hybrid Perpetuals. Cut the weak-growing varieties nearly to the ground and they will produce excellent flowers in June. Climbing Roses require the pruning out of all wood that is over two years old; the remaining wood should not be pruned until after flowering.

Substitution. Please Read. We will not book an order unless we are reasonably sure that it will be completed at the proper time. However, if, through circumstances beyond our control, a variety may not be in condition to ship at planting-time, we will substitute an equally good or better variety in the same color, if we have your permission, but we positively will not substitute unless instructed to do so.

Select Hybrid Tea Roses

All Hybrid Tea Roses on this page,
\$1.25 each; \$12 per doz.; \$90 per 100

White

Edel. A British introduction of exhibition quality, producing large, beautifully formed flowers of ivory-white, passing to pure white. A strong grower of uniform habit and very free flowering, opening in all weathers and delightfully fragrant.

Kaiserin Auguste Viktoria. An old variety but still one of the best, and it should be in every collection. In color it is a soft pearly white tinted with lemon.

Mme. Jules Bouche. While not a pure white, it being at times slightly tinted with blush on the reverse of the petals, we consider it one of the best white bedding Roses. It is quite double, and of fine form in bud as well as in the fully expanded flower. A strong grower and very free flowering.

Mrs. Franklin Dennison. This Rose of surpassing beauty is destined to become very popular. The very large, full, well-formed flowers are porcelain-white, veiled primrose-yellow, deepening to ochre at base of petals. A strong, vigorous grower, producing its sweetly scented flowers in the greatest profusion.

Pink and Blended

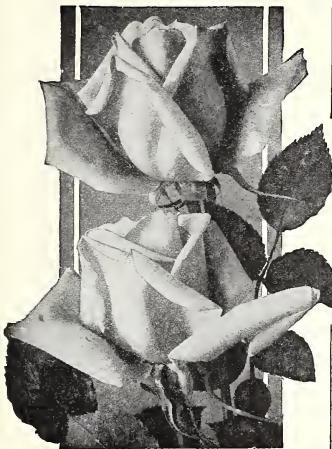
Columbia. One of the finest among the recently introduced Roses. The color is a lovely shade of peach-pink, shading to a deeper pink at the center. Growth strong and almost thornless; heavy, luxuriant foliage. The flowers produced during late summer and fall are exceptionally good. Very free and fragrant. One of the finest of the forcing or greenhouse sorts, but also a leader among the Roses of the garden.

Jonkheer J. L. Mock. Carmine outside, inside imperial pink, with a silvery rose-white reflex. The flowers are produced with the greatest freedom on strong, erect stems, and the general growth is erect and vigorous. Very fragrant. This Rose has been awarded one silver and two gold medals. It is a wonderful grower and exceptionally fine in midsummer.

Killarney Brilliant. A sport from the original Killarney Rose but much more intense and rich in color, varying from bright pink to deep rosy carmine. The flowers are of great substance and are very fragrant. Very free blooming and excellent for cutting.



Columbia Rose



Premier

PINK AND BLENDED HYBRID TEA
ROSES, continued

Killarney. The Killarney Rose is perhaps the most widely known and popular garden variety. Killarney Queen, an improved variety is in every way superior as a bedding subject. The growth is stronger and more robust in appearance. Color sparkling cerise-pink, shading to a lighter pink at the base of the petals; long, pointed buds which open into large, well-formed flowers, handsome in full bloom.

Lady Ashtown. Deep pink, base of petals silver-pink; very free flowering; buds long and pointed.

Los Angeles. In color a luminous flame-pink, toned with coral and shaded with translucent gold at the base of the petals. The buds are long and pointed and expand into a flower of mammoth proportions whose beauty of form and ever-increasing wealth of color are maintained from the incipient bud until the last petals drop. In fragrance it is equal in its intensity to the finest *Marchal Niel*. The growth is vigorous to a degree.

Mme. Caroline Testout. Satiny rose, with bright center; large, full, globular flower; very free and fragrant. This Rose is grown more extensively than any other, and we are of the opinion that it is still one of the finest garden Roses in cultivation.

Mme. Leon Pain. Entirely distinct in color—a silvery salmon, with deeper orange-yellow shaded center, the reverse of petals salmony pink. Very free-flowering.

Mme. Segond Weber. A grand Rose in every way. It is a vigorous grower, free-flowering, with large, perfectly formed, cup-shaped, fragrant flowers of marvelous beauty. In color it is of that soft tone of salmon-pink which appeals to everyone.

Mrs. J. C. Ainsworth. A beautiful sport from Mrs. Charles Russell, of which is a counterpart in strong, vigorous habit of growth, large, well-shaped buds, and fine, full double, delightfully scented flowers, but in color it is entirely distinct from its parent. The buds on first opening are of a beautiful peach-blossom-pink, shading to a delicate mauve-tinted white at the edges, and as the flowers develop they change to a lovely crimson-pink at the center.

Mrs. Wakefield Christie-Miller. Inside of petals soft pearly blush, shaded salmon, outside clear vermilion-rose, illumined with lighter shadings. The flower is unusually large and quite distinct in form, having the desirable build of the Hybrid Perpetual. The petal margins are daintily waved, giving the flower a full-blown appearance on opening. As a garden Rose, it ranks high.

Ophelia. Any description of the color of this Rose can only be a partial one, and gives but a faint idea of the superb beauty and richness of the shades—salmon-flesh, shaded with rose. Buds of unusual attractiveness, opening full and double. Habit excellent, growth strong, producing flowers on long stems, well up above the foliage, and in great profusion all summer. Hardly in almost all localities. Grand for forcing or outdoors.

Premier. One of the most magnificent Roses in the dark pink shades. Color is rich, deep rose and the full, perfect blooms, of large size, are produced on almost thornless stems. A robust grower, producing splendid blooms all season.

Radiance. An American-bred Rose of so many excellent qualities that it may be considered the best bedding Rose in this color. Flowers large, perfect in form, and produced freely. The vigorous, branchy growth invariably terminates in one or more flowers of a bright, carmine-salmon shade, mingled with rose, shading to a coppery yellow at the base of the petals. The American Rose Society officially recognized its merit by awarding it a Silver Medal in 1914, as the most valuable garden Rose in this climate—the highest distinction yet awarded a bedding Rose in America.

William F. Dreer. A beautiful Rose of the same parentage as *Los Angeles*, and which, for delicacy of coloring, is not comparable to any other variety. The flowers, which are similar in shape to *Los Angeles*, and like that variety, beautiful in all stages, are at their best in the half-expanded flower. These, in expanding, are of a soft, silvery shell-pink, and at certain stages of development a golden suffusion illuminates the entire flower, giving it a warm sunset color unlike any other Rose.

All Hybrid Tea Roses, \$1.25 each; \$12 per doz.; \$90 per 100



Radiance

Rose Marie. Produces ideal long buds which open into large flowers of splendid form and substance. Color is clear rose-pink with delicate lighter edge. A vigorous, healthy grower, delightfully fragrant and remarkable for its freedom of bloom. Rapidly becoming known as one of the best of the newer Roses.



Garden of Hybrid Tea Roses



Gruss an Teplitz

Red and Crimson Hybrid Tea Roses

Crusader. A strong-growing variety, robust and rugged in every characteristic. The flowers are large, double, beautifully formed, a rich, velvety crimson, and produced freely throughout the season. An excellent garden Rose.

General MacArthur. Large, deep velvety scarlet flowers, usually borne singly on long, rigid stems, but of a good branching habit. Remarkably free in flowering, even under the most unfavorable weather conditions.

Gruss an Teplitz. Bright scarlet-crimson with vivid, fiery red center; quite hardy and extremely free flowering. This is essentially a garden Rose and we recommend it with the utmost confidence. It is much more vigorous in growth than most other Hybrid Teas and ought to be planted in a separate bed.

Hadley. Rich crimson, varying to deep velvety crimson; vigorous, branching growths, each terminating in well-formed, intensely fragrant flowers which are produced continuously.

Hoosier Beauty. Deep, glowing crimson with darker shadings; large, beautifully formed flowers carried on vigorous, branching stems. This is a splendid garden Rose.

Laurent Carle. Produces its large, deliciously scented, brilliant carmine flowers throughout the season, nearly as good in hot, dry weather as under more favorable weather conditions. A vigorous grower.

Red Radiance. A clear, cerise-red sport of Radiance introduced in 1916 and now recognized as a garden Rose of unusual merit. It has the same free-flowering qualities as its parent, being in bloom continuously during the season. The growth is even more robust and vigorous, carrying the large and well-formed flowers on heavy erect stems.

Yellow, Orange, and Salmon

Duchess of Wellington. A gem among Roses, and the most vigorous growing of the yellow kinds. It has a healthy, luxurious habit, is not subject to mildew, and can be depended on to bloom throughout the season. Color, intense saffron-yellow, becoming deep copper-yellow as the flower expands, occasionally stained rich crimson. The flowers are of good size, splendid form and are carried on stout stems. While the wood is apt to die back to the ground in a severe winter, it invariably develops a strong flowering growth by June.

Lady Hillingdon. A beautiful coppery shade of apricot-yellow, lovely in the bud. A strong, vigorous grower and very free flowering. This is a Tea Rose, very hardy for its class, needing little more protection than the Hybrid Teas. Discriminating growers consider it one of the most beautiful Roses.

Miss Lolita Armour. The unique coloring of this novelty is a combination of tints difficult to describe. The flowers are of large size, full double, with petals of great substance, and delightfully fragrant. As the flowers expand they develop to a deep coral-red with a golden, coppery red suffusion, the base of the petals a rich golden yellow with coppery red sheen. A Rose on which you can rely for splendid blooms all summer. Winner of the International Bagatelle Prize, Paris, June, 1921.

Mrs. Aaron Ward. Deep Indian-yellow at the center of the flower, shading to primrose-yellow toward the edges of the petals, the whole occasionally washed soft salmon-pink as the flower expands. The color is somewhat variable with changing weather conditions but always beautiful. Hardy and floriferous. This is one of the best Roses in this color.

Mrs. Charles Lamplough. A most refined and pleasing soft tone of light lemon, flowers of wonderful size, depth and substance; very sweet-scented. A vigorous grower, producing its splendid flowers throughout the season.

Sunburst. Long, lovely buds, which open to large, perfectly formed, double flowers of sulphur-yellow, make this one of the most attractive varieties in its color class. Strong plants of spreading habit; quite hardy.

Any of the above Roses, \$1.25 each; \$12 per doz.; \$90 per 100

HOW TO GROW ROSES
One of the best books on the subject
Price \$2 per copy, postpaid



Imperial Potentate

Eight Extra-Fine Hybrid Tea Roses

Constance. A free-flowering variety, producing beautiful, long, orange-yellow buds of perfect form; as they develop they open to a full globular flower of golden yellow. As now grown, budded on the Ragged Robin stock, it is one of the best yellow garden Roses. \$1.50 each.

E'dorado (Land of Gold). In this we have an exact counterpart of Miss Lolita Armour, in the large-sized flowers of distinct formation, vigorous growth, and free-flowering habit and fragrance, but in color it is of the golden yellow that is peculiar to the climbing Rose, Maréchal Niel, with the base of the petals slightly tinted red. \$1.50 each.

Imperial Potentate. Splendidly shaped buds, opening to well-formed, large, double flowers of crisp, glistening rose-pink with silvery suffusion at the base of the petals, sweetly scented. At the International Rose Test-Garden, at Portland, Oregon, this variety was awarded the Silver Medal of the American Rose Society, the Gold Medal of the city of Portland, for the best bush Rose shown, and the Silver Trophy of the Portland Chamber of Commerce for the best Rose produced in 1923 on the Pacific Coast. \$1.50 each.

Padre. One of the finest bedding Roses of recent introduction. It is entirely different from any other Rose in coloring, it being a brilliant coppery red flushed with yellow at the base, a color combination that appeals to everyone. It is of vigorous habit of growth and will produce more flowers than any other variety of the Hybrid Tea class. The beautiful long buds are borne on long stiff stems and are splendid for cutting as well as for garden decoration. \$1.50 each.

Rev. F. Page-Roberts. Flowers of a rich Marechal Niel yellow, occasionally veined with buff markings in the bud. Large, full, and well-formed flowers of sweet fruity scent. Strong, vigorous grower. A Rose of great merit. \$2 each.

Roselandia. This is a gem that will likely displace Golden Ophelia, Mrs. Calvin Coolidge, and Sunburst. The color is a golden orange with a lustrous glow of apricot at the base of the petals, frequently tinted red on the reverse of the outer petals. Its beautifully shaped, long-pointed buds, of superb build and substance, are well poised on long, stiff stems. Very free blooming and sweet scented. \$2 each.

Souvenir de Claudius Pernet. We give below Mr. Pernet-Ducher's own description. "A most vigorous grower of erect branching habit, beautiful, brilliant green foliage, long pointed buds of exquisite shape, carried on long, stiff stems. Very large, full flowers with elongated deep petals—a beautifully formed bloom. Color most striking sunflower-yellow, deeper in the center, without any color blending, and which is retained without fading even in the warmest weather." \$1.50 each.

Souvenir de Georges Pernet. We have felt enthusiastic about this variety ever since its introduction two years ago, but the wonderful flowers which it has produced during the season of 1924 convinces us that it stands at the head of the list of the many valuable garden Roses that have been produced by Mr. Pernet-Ducher. It is a strong, vigorous grower and produces its large flowers, beautiful in both bud and fully developed bloom, of an intense oriental red, shading to cochineal-carmine at the margin of the petals, the whole being suffused with a golden sheen. \$1.50 each.



Garden of Hybrid Perpetual Roses

Hardy Hybrid Perpetual Roses

There is little question that Hybrid Perpetual Roses, or "June Roses," as they are sometimes called, are the most valuable of all hardy plants. They are of vigorous, upright growth, have large, bold flowers, frequently measuring 5 to 6 inches in diameter, and are deliciously fragrant. These Roses will succeed in any locality and are so hardy that they will live through the severest winters with but a light protection of leaves or coarse manure. Some of the kinds do not bloom until the second year, but, when fully established, they all bloom freely at the usual time, early in the season. The Hybrid Perpetuals will withstand hardship and neglect, but give much better results with good cultivation and rich soil. Always plant in open ground as these Roses are not suitable for house culture.

Any of the Hybrid Perpetual Roses, \$1.25 each; \$12 per doz.; \$90 per 100

Anna de Diesbach. Large, well-shaped blooms of clear, bright carmine-rose; fragrant. Free and continuous.

Frau Karl Druschki. Pure white in color, perfect in form, and very free-flowering. The best white variety which, although usually listed as a Hybrid Perpetual, has all of the valued characteristics of a Hybrid Tea.

General Jacqueminot. This magnificent variety known for over a half-century as the "Jack Rose," is entirely too well known to require description. Flaming scarlet.

Magna Charta. Bright pink suffused with carmine; vigorous in growth and very hardy. A beautiful and well-known variety.

Mrs. John La'ng. One of the very best Roses for all purposes. Beautiful, soft pink flowers, very large, of perfect form, and exceedingly fragrant. Hardy and vigorous in growth, the stems often attaining a height of 5 to 6 feet, and almost invariably producing a flower.

Ulrich Brunner. Cherry-red; flowers large, full, and of globular form. The flowers are borne in profusion on long stems. A hardy and free-flowering garden Rose of innumerable good qualities.



Dorothy Perkins Climbing Roses



Anna de Diesbach

Hardy Climbing and Rambler Roses

Suitable for training over arbors, porches, fences, or other objects. All bloom profusely and are hardy under most conditions. Single varieties in your Rose-garden will add much to its attractiveness.

All Hardy Climbing and Rambler Roses, \$1 each; \$10 per doz.; \$75 per 100

American Pillar. A single-flowered variety, bearing pink flowers in heavy trusses. It retains its foliage until late in the fall and is very ornamental.

Climbing American Beauty. A fine, free-blooming climber of excellent habit. Strong and vigorous in growth, making heavy 10 to 15-foot canes in a single season. Rosy crimson flowers, produced freely in June and occasionally throughout the season; very fragrant.

Dorothy Perkins. A splendid variety with bright, glossy foliage that always looks healthy, and produces beautiful clusters of pink flowers. It is to be highly recommended for general planting, owing to its hardiness under all conditions. A very strong-growing variety and one of the most popular for arches.

Dr. Huey. A vigorous climbing or pillar Rose bearing flowers of the darkest red known in climbers. The blooms are fairly large, of perfect substance and rich crimson-maroon which does not fade. Its growth is much stronger than Paul's Scarlet Climber and the flowers more enduring. Unique and most desirable.

HOW TO GROW ROSES

One of the best books on the subject
Price \$2 per copy, postpaid

HARDY CLIMBING ROSES, continued

Dr. W. Van Fleet. Flesh-pink on the outer surface, deepening to rosy flesh in the center. The flowers are full, very double, and carried on good stems, resembling *Souvenir du President Carnot* (one of the parents) in color. The flower, when open, will measure 4 inches or more in diameter, and is highly built in the center. Strong and handsome in growth. A superb variety that makes a splendid showing when trained over arches, pergolas, summer-houses and the like.

Emily Gray. The best yellow climbing Rose ever introduced. The color is clear golden yellow, and all the flowers are double. It has long buds and attractive, dark green foliage. Very free-flowering; splendid growing habits.

Gardenia. A fascinatingly dependable American yellow climbing Rose that is sometimes called "Hardy Maréchal Niel" because of its resemblance to that famous old variety. The exceedingly beautiful golden yellow buds become creamy white when fully expanded. A moderate grower, covered with a wealth of bloom in June, and glossy, dark green foliage that persists till frost.

Hiawatha. The most brilliant-colored single Rose. It is a brilliant carmine, with a clear white eye and a mass of golden stamens—a glowing combination of color, and a variety you must know to appreciate.

Mary Lovett. It is very much like the beautiful Dr. W. Van Fleet Rose, except in that the large, full flowers are pure snow-white. They are held on long, strong stems and are delightfully sweet-scented.

All Hardy Climbing and Rambler Roses, \$1 each; \$10 per doz.; \$75 per 100

Paul's Scarlet Climber. One of the most promising climbing Roses yet sent out. Vivid scarlet, semi-double flowers of medium size, produced in large clusters and in great profusion. The color does not burn or fade. This Rose has been exhibited extensively in Europe and received numerous awards. Paul's Scarlet Climber in color is far beyond anything ever offered, being of such a dazzling shade as to make it distinctive among red Roses. It is hardy and will eventually become more popular when its good qualities are better known.

Roserie. A great improvement on the popular *Thousand Beauties* (Tausendschön), and consequently a welcome addition to this section. While it has the same habit of growth and general characteristics as *Thousand Beauties*, the color is superior—a deeper and more even shade of corse-pink or carmine. Those who have admired *Thousand Beauties* will surely add this improved variety to their collection because of its lovely coloring.

Silver Moon. This Rose is of the same strong growth as Dr. W. Van Fleet. Foliage beautiful bronze-green, mildew-proof. Flowers are large, silvery white, with prominent yellow stamens, very fragrant and attractive, produced on strong stems.

Tausendschön. An entirely distinct Rose. The individual flowers are large and of a most elegant and graceful form, and varies in color, being a deep carmine-pink when first opening and fading to almost pure white with age. They are produced in trusses. It is, to many, the most attractive and charming climbing Rose.



Dorothy Perkins Roses

Baby Rambler and Dwarf Polyantha Roses

These are delightful for massing in beds or as edges for borders. They are most profuse and continuous bloomers, and their small, neat flowers are produced in large clusters.



Bed of Baby Rambler and Dwarf Polyantha Roses

Cecile Brunner (The Sweetheart Rose). Dainty, double flowers of soft pink, growing in graceful sprays.

Chatillon Rose. Color, silvery crimson, shading to white in center, produced in great sprays of from fifteen to thirty flowers on a branch, and remain in good condition without shedding a petal for several weeks.

Eva Teschendorff. The first really worthwhile white Baby Rambler. The flowers are of large size and splendid form. We predict a great future for this charming novelty.

Ideal. A dwarf-growing Polyantha of great merit. Flowers dark amaranth-red, produced in large clusters. An ideal variety, as its name implies, for giving satisfaction and results.

Lafayette. A strong-growing, very profuse-flowering Polyantha. It is crimson-scarlet in the bud, developing as it expands to a brilliant rosy cerise. The flowers are borne in clusters of good size, the individual blooms being about the size of Paul's Scarlet Climber.

Louise Walter (Baby Tausendschön). Semi-double flowers of light pink, attractively veined rose. Of compact but very vigorous growth.

Mrs. Cutbush. Almost identical in color with the Dorothy Perkins Rambler and always in bloom.

Orleans. One of the best. Flowers comparatively large, of brilliant geranium-red, becoming suffused with rose as they mature, and having a large white center. A very pretty color combination.

Any of the above, \$1 each; \$10 per doz.

FLOWERING SHRUBS

Whether planted individually or collectively, shrubs are an important feature in the adornment of any grounds. In such locations where they can be used as specimens, and thus allowed space for symmetrical development, their grace and beauty appear to perfection. Along borders of the lawn, on banks and slopes, along walks and drives and in corners, collections of shrubs may be gathered that will give a succession of bloom from the opening of spring until autumn.

The rich green of the summer foliage plays a greater part in landscape effect than is often realized. The autumn color which the leaves of many varieties assume sets the lawn ablaze at that season. The brilliant berries of some sorts tempt the birds to linger, and, together with the bright bark of such shrubs as the some Dogwoods, give a tone of color even to the gray landscape of winter.

Amygdalus

Flowering Almond

Hardy, free-flowering shrubs with graceful foliage and showy flowers in early spring. They are splendid garden subjects, thriving in almost any well drained soil.

Glandulosa glabra albi-plena (Double White-flowering Almond). Native of China and Japan. Free-flowering and should be in every shrub collection. \$1 each.

Glandulosa trichostyla sinensis (Double Pink-flowering Almond). Similar to the preceding, except in color. \$1 each.

Azaleas

The deciduous Azaleas are shrub-like in habit, free-flowering, and exceedingly hardy. The native varieties particularly are being largely used for mass grouping and woodland planting. When established they never fail to make an annual display that is simply gorgeous.

Amoena. Bright rosy purple flowers in great masses. Bushy plants 10 to 12 inches high, \$1.25 each; \$12 per doz.

Hinodigiri. Bright fiery red flowers. Bushy plants, 10 to 12 inches high, \$1.50 each; \$15 per doz.

Hinamoyo. A wonderfully pleasing shade of delicate rose-pink. Bushy plants, 10 to 12 inches high, \$1.25 each; \$12 per doz.

Buddleia • Butterfly Bush

Variabilis magnifica (Sweet-scented Buddleia). This greatly improved variety is a genuine acquisition among shrubs. Although it really belongs to the shrub group, it is of equal value in the perennial border where it enhances the display from early July until frost by their profusion of fragrant, violet-colored racemes, and where they prove a great attraction to bees and butterflies. Also an excellent cut-flower. Protect during winter with soil or coarse manure to a height of 1½ feet from the ground. 60 cts. each.



New Red-Leaved Japanese Barberry

Berberis • Barberry

Thunbergi (Thunberg's Japanese Barberry). An iron-clad shrub, native of Japan, of low dense habit and having thorny branches. The bright green leaves, in autumn, assume dazzling tones of orange, scarlet, and crimson. Its brilliant red berries, borne in great profusion, persists throughout the winter, and, together with the brilliant foliage, make this shrub invaluable in any planting. It thrives in almost any soil. 1½ to 2-ft. hedge plants, \$3.75 per doz.; \$27 per 100.

Thunbergi atropurpurea (New Red-leaved Japanese Barberry). This is, unquestionably, the most valuable ornamental shrub that has been offered for many years. In habit of growth and in fruiting it is identical with the popular Japanese Barberry, but its foliage, as soon as it develops in early spring, assumes a

Thunbergi atropurpurea, continued

rich bronzy red color, just a trifle deeper than the color of the red Japanese Maple, and it not only retains this rich coloring from early spring until fall, but, unlike other red-leaved shrubs, this coloring becomes more intense and richer during the hot summer months. Late in the autumn it takes on the varied brilliant high colors of the ordinary Japanese Barberry but in an intensified form, followed by the same brilliant scarlet berries common to the type and which remain on the plant the entire winter.

	Each	Doz.	100
1-year-old plants.....	\$0 75	\$7 50	\$50 00
2-year-old plants.....	1 00	10 00	75 00
3-year-old plants.....	2 50	25 00	175 00

Cornus

Osier; Dogwood; Cornel

Hardy and vigorous shrubs, thriving best in moist, fertile soil. In addition to the showy flowers and fruits which characterize most of the species, they are very attractive in winter on account of the brilliant color of the bark. Valuable for shrub border and water-side planting.

Alba (Siberian Red Osier). Bright, blood-red branches. Flowers creamy white in numerous flat-topped clusters. Fruit light blue. Grows 6 to 10 feet high. Plant 3 to 4 feet, 75 cts. each.

Stolonifera (Red Osier Dogwood). Spreading habit; dark red bark; white flowers followed by white fruit. May and June. 75 cts. each.

Deutzia

Hardy, vigorous shrubs; showy flowers. Floriferous, ornamental, and of easy culture. Thrives in almost any well-drained soil.

Crenata rosea fl.-pl. (Double Pink-flowering Deutzia). Very showy white flowers with one or two rows of the side petals a rosy purple. 3 to 4 ft., 75 cts. each.

Crenata, Pride of Rochester (Large-flowered Deutzia). A vigorous form with very large, double white flowers. 4 to 5 ft., 75 cts. each.



Deutzia



Spiraea Vanhouttei as a Foundation Planting

Hydrangea

Grand flowering shrubs, admirably adapted for border planting, either as specimen plants or in masses. A moist, fertile soil with full or partial sun is best adapted to their requirements.

Arborescens grandiflora (Snowball Hydrangea). This new variety is one of the finest American shrubs. It is a vigorous grower with pure white flowers. Thrives best in a moist location. Large plants, 75 cts. each.

Paniculata grandiflora (Large-flowered Hydrangea). Undoubtedly one of the most popular and showy shrubs in cultivation. Flowers creamy white when fully developed, soon assuming tones of rose and bronze on the exposed sides. This shrub requires severe pruning in early spring to insure the largest flower trusses. 75 cts. each.

Philadelphus • Mock Orange

Coronarius (Common Mock Orange). A hardy, free-flowering shrub, 8 to 10 feet tall, which adds beauty, grace, and perfume to our gardens. It has a profusion of showy, fragrant white flowers in spring and early summer. Foliage light green. 3 to 4 ft., 75 cts. each.

Spiraea

A large group of showy, free-flowering shrubs of inestimable value. Among them may be found those that bloom in early spring and at periods from midsummer up to frost. They thrive best in moist, fertile soil, preferring sunny exposures.

Bumalda, Anthony Waterer (Crimson Spirea). Flowers bright, rosy crimson, disposed in dense corymbs. Very floriferous all summer. 1½ to 2 ft., 75 cts. ea.

Thunbergi (Snow Garland; Thunberg's Spirea). A beautiful shrub with numerous slender branches forming a dense, feathery bush 3 to 4 feet tall. Flowers white in early spring, covering the plant as with a mantle of snow. 2 to 3 ft., 75 cts. each.

Vanhouttei (Van Houtte's Bridal Wreath). A grand, arching shrub of garden origin 5 to 6 feet high. Leaves dark green. Flowers white in numerous umbels in late spring. 3 ft., 75 cts. each.

Syringa • Lilac

Vulgaris (Common Purple Lilac). Large, upright shrub with heart-shaped, bright green leaves. Flowers deliciously fragrant, shades of lilac-blue and purple. 3 to 4 ft., 75 cts. each.

Vulgaris alba (Common White Lilac). The old popular white variety similar to the preceding, differing only in point of color. 3 to 4 ft., 75 cts. each.

HEDGE PLANTS

Barberry, Japan

Berberis Thunbergi

Where a dwarf deciduous hedge is wanted, nothing equals this beautiful Barberry. Requires but little pruning to keep in shape. The leaves are small, light green, and towards fall assume rich, brilliant colors; the fruit or berries become scarlet and are extremely decorative on the plants all through the winter. Absolutely hardy in all parts of the country. Plant 12 to 15 inches apart. Extra-strong 3-year-old plants, 1½ to 2 feet high, \$3.75 per doz.; \$27 per 100.

Viburnum

Arrow-Wood; High-Bush Cranberry

Hardy shrubs with showy flowers and foliage. Attractive not only when in blossom, but many species produce large clusters of bright or glistering berries and the foliage assumes brilliant and intense color tones in autumn. Thrives best in moist soils in sunny locations.

Dentatum (Arrow-Wood). Handsome, bushy shrub, 8 to 12 feet tall. Leaves heart-shaped, bright green, fading with tones of rich purple and red. A profusion of flat clusters of white flowers in late spring. Berries blue-black. 2 to 3 ft., 75 cts. each.

Tomentosum (Single Japanese Snowball). Leaves dark green with bronzy margins. Flowers white in flat-topped clusters. Berries red, changing to bluish black. 3 to 4 ft., 75 cts. each.

Plicatum (Japanese Snowball). The choicest of its class. Pure white, ball-shaped clusters of flowers in May. 75 cts. each.

Weigela • Diervilla

Hardy, free-flowering shrubs of spreading habit, thriving best in moist, loamy soil, and producing in late spring and early summer great masses of showy flowers.

Rosea. The commonest and a favorite, with rosy pink flowers in June. 3 to 4 ft., 75 cts. each.

Rosea nana variegata (Variegated Weigela). This is a variegated form of the above, enriching the collection of the fancy-colored foliage group. It is dwarf; the leaves variegated with white. Flowers white or slightly suffused with rose. 4 ft., 75 cts. each.

Privet, California

Ligustrum ovalifolium

This is a rapid grower under all conditions, and has handsome glossy foliage that lasts well into the winter. It may be used as a specimen or in a hedge. Withstands any amount of pruning, and is extremely hardy. To make a good hedge, set the plants in a double row 6 inches apart and 6 inches between the rows. Strong, select, well-rooted plants, 1-year-old, 1½ to 2 feet high, \$1.25 per doz.; \$6 per 100; \$50 per 1,000. 2-year-old, 2 to 2½ feet high, \$1.50 per doz.; \$8 per 100; \$70 per 1,000.



California Privet

Hardy Climbing Plants

Climbing vines are as necessary to the comfort and beauty of a home as the trees and shrubs we plant about it. They mature quickly and tone down the stiff, bold angles of new buildings, and give shade and flowers over verandas and trellises. On steep slopes and banks they prevent erosion. They ramble over unsightly, neglected places and make them beautiful. Some have fragrant and brilliant flowers. Vines are strong, robust growers that require little attention other than to occasionally train them.

Akebia

Quinata (Akebia Vine). One of the most graceful of our hardy climbers, with deep green, small foliage, and producing in early spring numberless bunches of violet-brown flowers which have a pleasant cinnamon odor. Most desirable for positions where a dense shade is not required. Strong plants, 50 cts. each; \$5 per doz.

Ampelopsis

Engelmanni. A variety of the Virginia Creeper with glossy green foliage, changing to brilliant crimson in autumn. 50 cts. each; \$5 per doz.

Quinquefolia (Virginia Creeper). 50 cts. each; \$5 per doz.

Veitchii (Boston Ivy). The best climber to cling to walls, trees, etc. Strong plants, 50 cts. each; \$5 per doz.; \$35 per 100.

Bignonia

Radicans (Trumpet Vine). Dark red, with orange throat; very free-flowering. 50 cts. each; \$5 per doz.

Aristolochia

Sipho (Dutchman's Pipe Vine). A vigorous, rapid-growing climber, bearing singular brownish colored flowers, resembling a pipe in shape. Its flowers, however, are of little value compared to its light green leaves, which are of very large size and retains their color from early spring to late fall; perfectly hardy. Strong plants, \$1 ea.



Ampelopsis Covering a Stone Wall

Clematis, Large-flowering

No other climbing plant equals in attractiveness the beautiful large-flowering Clematis. Its requirements are somewhat different from most other plants, and proper conditions must be given to secure satisfactory results. They need rich, deep soil, perfect drainage, abundance of water, and most important of all, they should be planted with the crowns 8 inches beneath the surface of the soil.

Henryi. Creamy white; large.

Jackmani. The popular rich purple variety.

Mme. Edouard Andre. Bright carmine.

Any of the above Clematis, 75 cts. each, \$7.50 per doz.

Paniculata (Japanese Virgin's Bower). One of the finest climbers. Clouds of small fragrant white flowers in August. Extra strong plants, 50 cts. each; \$5 per doz.; \$35 per 100.



Clematis paniculata

Euonymus

Kewensis. A new variety, with very small dark green foliage, especially valuable as a rock-plant or ground-cover.

Radicans. Deep green foliage; useful for covering low foundation walls.

Radicans variegata. A beautiful small-leaved green and white variegated form.

Radicans vegeta. A large-leaved form, splendid for covering high walls.

Any of the above Euonymus, 30 cts. each; \$3 per doz.; \$18 per 100

Honeysuckle

Chinese Evergreen (Woodbine). Yellow and white variegated flowers. 35 cts. each; \$3.50 per doz.

Hall's. White, turning yellow. 35 cts. each; \$3.50 per doz.

Variegated. Foliage mottled yellow and green; flowers white and yellow. 35 cts. each; \$3.50 per doz.

Ivy

English. Invaluable for covering walls; also for covering graves. From 4-inch pots, 50 cts. each; \$5 per doz.; \$25 per 100. Extra-large plants, from 5-inch pots, 75 cts. each; \$7.50 per doz.

Lathyrus

Hardy Everlasting Pea

One of the best and most desirable flowering hardy climbing plants, attractive both in flowers and foliage, growing to a height of 8 to 10 feet, and producing clusters of large flowers all summer. Fine for cutting.

Latifolius. Deep rosy red.

Latifolius albus. Pure white.

Either of the above, 30 cts. each; \$3 per doz.

Polygonum

Aubertii. A useful vine for porches, lattice-work, fences, buildings, etc., and perfectly hardy and free from disease or pests. A small plant makes 25 to 30 feet of growth the first summer, and produces clouds of snowy white flowers, borne in long clusters, which turn rose color with age. The foliage is clean looking and attractive, and will please everyone by its appearance. It will not cling to the wall, but will ramble over anything that will support it. Extra-strong pot-grown plants, \$1 each.

Wisteria

This flowers in the latitude of Philadelphia during May. A strong, developed vine produces hundreds of flower panicles, while no foliage is visible until after the flower is faded. They thrive best in the sun, and with an application of cow manure once or twice a season they respond marvelously by an extra growth and an abundance of flowers. **Chinensis** (Chinese Wisteria). Pale blue; somewhat fragrant. Ex.-strong plants, \$1. **Chinensis alba**. A beautiful white-flowering form. Extra-strong plants, \$1 each.



WATERER'S HARDY PERENNIAL PLANTS

The Hardy Perennials supply us with some of the most beautiful and interesting plants available for outdoor culture. By judicious selection from their almost endless variety, a continuous succession of bloom may be obtained from spring until frost, with wonderful range of color. Plants will be found suitable for massing, for bedding, and for borders, also for cutting and rock-garden work. From the Columbine of early April to the climax of Asters and Chrysanthemums, this story of fragrance and beauty repeats itself year after year, lavishly repaying the owner for the little care and attention which the plants require.

Achillea

- Parmica, Boule de Neige.** 1 to 1½ ft. This and the following variety are among the most valuable hardy plants for cutting. If they are cut back hard after the first flowers are past, a second crop will be produced in early fall. Small double white flowers in sprays, June-September.
- Tomentosa.** 6 in. A dwarf rock-plant, bearing heads of bright yellow flowers, June. 25 cts. each; \$2.50 per doz.; \$15 per 100

Ajuga

- Genevensis.** 6 in. Short spikes of intense blue flowers. A good rock plant. June. 25 cts. each; \$2.50 per doz.

Alyssum

- Argenteum (Rock Plant).** 1 ft. Large, flat heads of golden yellow flowers borne on wiry stems. May, June.
- Saxatile compactum (Rock Plant).** 1 ft. One of the most popular of spring-flowering plants. Masses of yellow flowers in April and May. 25 cts. each; \$2.50 per doz.; \$15 per 100

Anchusa

- Italica, Opal.** 4 ft. Tall spikes of pale blue flowers, resembling giant forget-me-nots. June, July.
- Italica, Dropmore.** Rich gentian-blue. 25 cts. each; \$2.50 per doz.; \$15 per 100

Anemone

- Pulsatilla.** Large, cup-shaped bluish flowers, covered on the outside with silky hairs, are borne singly on stems 1 foot high in April and May. Fine for rock-work. 30 cts. each; \$3 per doz.

Anthemis

- Tinctoria Kelvayi.** 2 ft. Bright yellow Marguerite-like flowers in great profusion. June-September. 25 cts. each; \$2.50 per doz.; \$15 per 100.

Aquilegia • Columbine

- Chrysantha.** 3 ft. A tall and beautiful species bearing soft yellow flowers.
- Cerulea.** 2 ft. Blue and white flowers with long, slender spurs.
- Mrs. Scott Elliott's Strain.** 2 to 3 ft. This is probably the best strain of Long-spurred Hybrids. The flowers are of rich and varied colors. May, June. 30 cts. each; \$2.50 per doz.; \$18 per 100

Artemisia

- Lactiflora.** 5 to 6 ft. Fragrant spirea-like plumes of creamy white flowers are borne on stout erect stems from August to October. 25c. each; \$2.50 per doz.; \$15 per 100.



Mrs. Scott Elliott's Columbines

Arabis • Rockcress

- Alpina.** 9 in. A useful, early-flowering plant with pure white flowers, suitable for rock-garden, border, or for spring bedding. April, May. 25 cts. each; \$2.50 per doz.; \$15 per 100.
- Alpina fl.-pl.** A double-flowered form of the above. 35 cts. each; \$3.50 per doz.

Armeria • Thrift; Sea Pink

- Attractive dwarf plants that will succeed in any soil, forming evergreen tufts of bright green foliage from which innumerable flowers appear in dense heads, on stiff wiry stems. Very useful in the rockery as well as in the border.

- Cephalotes (Giant Thrift).** 1 ft. Strong tufts of foliage and heads of silvery pink flowers borne on stout stems. May-July. 25 cts. each; \$2.50 per doz.; \$15 per 100.

Asclepias • Butterfly Silk Weed

- Tuberosa.** 2½ ft. Bright orange-red flowers, borne in clusters on strong stems. July-September. 25 cts. each; \$2.50 per doz.; \$15 per 100.

Asters, Hardy

Michaelmas Daisy; Starwort

- As a plant of general usefulness, the Aster stands unrivaled. The great variety in color, size of flower, time of flowering and height, combined with the simple cultural requirements necessary make it one of the most desirable of hardy plants. Many of the varieties are excellent for cutting. The finest flowers and strongest spikes are obtained if the plants are divided annually.

- Climax.** 5 ft. Large, pale mauve flowers, with yellow centers, on long, slender stems. September, October.

- Louvain.** 3 ft. Symmetrical bush-like habit. The foliage is completely hidden by masses of medium-sized delicate pink flowers. September.

ASTERS, continued

Maggie Perry. 4 ft. Soft pink flowers borne in immense trusses. September, October. 50 cts. each; \$5 per doz.

Mauve Cushion. 9 in. Distinct from all other Asters, this variety forms a round, compact cushion that is entirely covered with delicate mauve flowers during October and November.

Perry's White. 4 ft. A very free-flowering variety of graceful habit. The flowers are large and of good substance. Excellent for cutting. September, October.

St. Ewain. 2½ ft. This variety forms a compact bush, and during September is entirely covered with large, clear pink flowers. One of the best Asters in cultivation.

Any of the above varieties, except where noted, 30 cts. each; \$3 per doz.

Aster, Dwarf Alpine

Alpinus. 9 in. Large, bluish purple flowers. Fine rock-plant. June.

Alpinus albus. A white variety of above. 25 cts. each; \$2.50 per doz.; \$15 per 100

Aubrietia

Rainbow Rock Cress

Pretty, dwarf-growing plants suitable for the rocky or for the edge of the border. They form masses of silvery green foliage and sheets of vari-colored flowers in spring and early summer. Choice mixed varieties. 25 cts. each; \$2.50 per doz.; \$18 per 100.

Bocconia

Cordata. 6 to 8 ft. A tall-growing, stately plant with handsome, gray, glaucous foliage bearing panicles of creamy white flowers. July, August. 25 cts. each; \$2.50 per doz.

Boltonia • False Chamomile

A showy native hardy perennial plant with large, single aster-like flowers; in bloom during the summer and autumn months, and with its thousands of flowers open at one time produces a very showy effect.

Asteroides. Pure white; very effective. 5 to 7 feet.

Latisquama. Pink, slightly tinged with lavender. 4 to 6 feet.

25 cts. each; \$2.50 per doz.; \$15 per 100



Delphinium (Hardy Larkspur)

Canterbury Bells (*Campanula Medium*)

Campanula

Bellflower; Harebell

One of the most beautiful and important families of hardy plants. Having a very wide geographical distribution, its members are varied in character and are adapted for rock-garden, border, and woodland.

Carpatica. 1 ft. Suitable for rock-garden or border. Large, blue, cup-shaped flowers during July and August.

Carpatica alba. A white variety of the preceding.

Medium (Canterbury Bells). Blue, pink, white, separate colors.

Medium calycanthema (Cup-and-Saucer). Mixed colors.

Persicifolia. 2½ ft. Slender, erect stems studded with blue, cup-shaped flowers in June and July.

Persicifolia alba. A white variety of the above.

Any of the above, 25 cts. each; \$2.50 per doz.; \$15 per 100

Centaurea

Macrocephala. 4 to 5 ft. A stately plant of robust habit, bearing large, globular heads of golden yellow flowers. July, August.

Montana. 1½ ft. Woolly foliage and bright blue flowers. June, July.

Montana alba. A white variety of the preceding.

25 cts. each; \$2.50 per doz.; \$15 per 100

Cerastium

Tomentosum. Forms a carpet of silvery foliage, covered in May and June with pure white flowers. 25 cts. each; \$2.50 per doz.; \$15 per 100.

CHRYSANTHEMUMS

These showy and effective favorites are now universally popular. When planted outside they extend the flowering season of your perennial garden, blooming profusely in October after other flowers have been browned by early frosts, which do not affect the Chrysanthemums, producing a wealth of bloom especially fine for cutting. They should be planted in a well-drained position, either in the hardy border or at the edge of a shrubbery border. The planting should be done early in the spring, so that the plants will have the entire summer to establish themselves, and late in the autumn, after they have finished flowering and the tops have been cut off, they should have a covering of leaves or loose litter as a winter protection, but do not cover with manure. Early in the spring after danger of severe freezing is over and before any growth starts, the covering should be removed.

25 cts. each; \$2.50 per doz.; \$15 per 100

Button-shaped Pompons

Baby. Clear bright yellow.

Bright Eyes. Blush-white, before full development; the center is orange, which suggested the name.

Iva. Very small; deep yellow.

Model of Perfection. Vigorous; free; white.

Rhoda. Fine rose pink.

Ruth. Claret-red.

White Midget. Pure white.

Large-Flowering

Adironda. A fine bronze.

Anna L. Morgan. Striking brilliant flame-scarlet.

Captain Cook. Clear deep rose.

Julia Lagravere. Rich garnet.

Lillian Doty. Large; incurved; pink.

Red Doty. Large; incurved; red.

Soleil d'Or. A fine golden yellow.

Wanda. Large; pure white.

White Doty. Pure white; globular form.

Early-Flowering

Chrysolora. A splendid yellow.

Firelight. Bright red; aster form.

Idolf. A pretty shade of salmon-pink.

Provence. Pale pink.

Tints of Gold. Very attractive golden bronze.



Pompon Chrysanthemums



Shasta Daisies

Hardy Chrysanthemum

Maximum (Shasta Daisy). 2 ft. A useful flower for cutting. The large, white, daisy-like blooms are produced over a long period. June-September. 25 cts. each; \$2.50 per doz.

Coreopsis

Grandiflora. 2½ ft. One of the best hardy plants for cutting. The bright yellow flowers are borne on long, graceful stems throughout the summer. 25 cts. each; \$2.50 per doz.; \$15 per 100.

Delphinium • Hardy Larkspur

The tall, stately flower-spikes of the Delphinium rise to a height of 4 to 5 feet and supply the garden with a wealth of azure-blue, gentian-blue, and royal-purple hues. They are effective in all situations and demand rich, deeply cultivated soil and considerable moisture. If flower-spikes are cut when through blooming, others will replace them.

Belladonna. 2½ to 3 ft. An invaluable variety for cutting; sky-blue flowers in great profusion from June until frost.

Bellamosa. 3 to 4 ft. A true hybrid of Belladonna and Formosum, surpassing both parents. Color is dark blue. It is not subject to mildew.

Formosum. 4 ft. A robust-growing Larkspur having dark blue flowers with white centers. June-September.

Grandiflorum (chinense). 1½ to 2 ft. Gentian-blue flowers and finely divided foliage. June-October.

Grandiflorum album. A white variety of the above.

Mixed Hybrids. This mixture can be relied on to produce a large percentage of extremely good individuals, and is much superior to the ordinary mixed strain.

25 cts. each; \$2.50 per doz.; \$15 per 100

Dianthus • Pinks

Alpinus. A lovely dwarf alpine with large, deep pink flowers borne close down to the foliage, which they entirely hide. 50 cts. each; \$5 per doz.

Arenarius. A desirable rock-plant of compact, tufted habit. During May and June the foliage is entirely hidden by masses of deeply fringed, fragrant, white flowers borne on 6-inch stems.

Deltoides (Maiden Pink). A trailing rock plant; fine for border edging. June, July.

Deltoides albus. A white variety of the foregoing.

Deltoides, Brilliant. Vivid crimson.

DIANTHUS, continued

Miss Gladys Cranfield. A new variety of exceptional merit. It is of compact growth and bears large, flat, rosy lilac flowers with velvety maroon centers on stems about 1 foot high. The plants we offer are not seedlings, but the true stock. 35 cts. each; \$3.50 per doz.

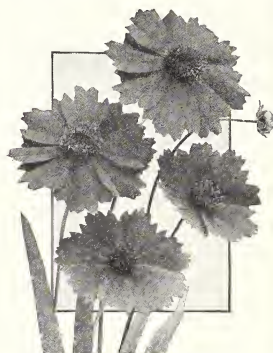
Plumarius. 1 ft. A first-rate mixture, with beautifully frilled flowers. June, July.

25 cts. each; \$2.50 per doz.; \$15 per 100, unless otherwise noted

Dielytra • Dicentra

Spectabilis (Bleeding-Heart; Seal Flower). An old-fashioned favorite. Its long racemes of graceful, heart-shaped, pink flowers are always attractive. It is used largely for forcing, and is perfectly at home in any part of the hardy border; especially valuable for planting in the shade. Strong clumps, 50 cts. each; \$5 per doz.

Formosa (Plumy Bleeding-Heart). A dwarf-growing species, with finely cut ornamental foliage, growing about 15 inches high and producing its showy pink flowers from April till August. 35 cts. each; \$3.50 per doz.



Coreopsis grandiflora

Digitalis • Foxglove

One of the showiest and most attractive of old-fashioned favorites whose popularity is continually increasing.

Gloxiniiflora. Pink, Purple, White, separate. 25 cts. each; \$2.50 per doz.

The Shirley. A new strain raised by the late Rev. W. Wilks, the originator of the well-known Shirley Poppies. The flowers are of enormous size and vary in color from pure white to deepest rose. 35 cts. each; \$3.50 per doz.

Echinops • Globe Thistle

Vigorous, stately plants, ornamental both in flower and foliage. The large, handsome leaves are spiny at the tips and are covered with silvery down.

Ritro. 4 ft. Globular heads of glistening blue flowers. July, August.

Sphaerocephalus. 6 ft. Heads of grayish white flowers. August.

25 cts. each; \$2.50 per doz.; \$15 per 100

Eryngium • Sea Holly

Planum. 2½ ft. Small blue flower-heads and steel blue stems. Good for cutting and drying. July, August. 25 cts. each; \$2.50 per doz.; \$15 per 100.

Eupatorium

Cælestium. 1½ to 2 ft. Very free-flowering and valuable for cutting. Masses of blue, ageratum-like flowers from August to October.

Fraseri. Feathery white flowers. July-September.

25 cts. each; \$2.50 per doz.; \$15 per 100

Euphorbia • Spurge

Corollata. 1½ to 2 ft. The value of this plant for cutting is not fully appreciated. It is well adapted for shipping, and its small, pure white flowers take the place of *Gypsophila paniculata* when that is past. Best results are obtained by allowing it to remain undisturbed for several years. August, September. 25 cts. each; \$2.50 per doz.

Funkia • Plantain Lily

Undulata variegata. 9 in. One of the easiest plants to grow. The broad, massive leaves, variegated green and white, make them decorative in the border when their pale lavender flowers are past. Succeed in sun or shade. 25 cts. each; \$2.50 per doz.; \$15 per 100.

Gaillardia

Grandiflora. 2 ft. Ranges in color from old-gold to crimson. This plant is unrivaled for furnishing a continuous supply of cut-flowers. June-October. 25 cts. each; \$2.50 per doz.; \$15 per 100.

Geum

Chiloense, Lady Stratheden. 2 ft. A new variety similar in habit and growth to the well-known Mrs. Bradshaw. It bears large, old-gold, double flowers. May, June.

Chiloense, Mrs. Bradshaw. 2 ft. One of the most striking of hardy plants. Slender, branching stems are produced from tufts of evergreen foliage and bear large, rich scarlet, double flowers in great profusion.

A good plant for cutting. May, June.

25 cts. each; \$2.50 per doz.; \$18 per 100

Gypsophila

Paniculata. 2½ ft. Cloud-like masses of small white flowers. One of the most popular and useful plants for cutting. July.

Repens. A dwarf trailer, excellent for cascading down the slopes of the rock-garden. Masses of small white flowers. June, July.

25 cts. each; \$2.50 per doz.; \$18 per 100



Gaillardia grandiflora

**PYRETHRUM**

Possibly no plant surpasses the Pyrethrums in freedom of bloom. You may cut, and cut again, and still have flowers from late spring to midsummer. 25 cts. each; \$2.50 per doz.

**THALICTRUM AQUILEGIFOLIUM
PURPUREUM**

Columbine-like foliage and feathery heads of pinkish purple flowers. Blooms in June and July. Grows 2½ feet high. 25 cts. each; \$2.50 per doz.

Cut-Flowers for Table and Home Decoration

May be had all summer from the four very useful and hardy plants pictured on this page. At the same time, they are all impressive flowers in the outdoor border and are among the necessities of any successful garden.

Three plants of each (12 in all) for \$2.25. Order Collection No. 1

**DELPHINIUM, MIXED HYBRIDS**

Delphiniums are the most beautiful hardy plants in cultivation. Some varieties grow 8 feet high in rich soil. They have immense spikes of most beautiful flowers of every imaginable shade of blue, and their season is long. 25 cts. each; \$2.50 per doz.

**COREOPSIS GRANDIFLORA**

Begins to bloom early in June and continues a mass of golden yellow until killed back by the frost. The flowers are borne on long, graceful stems, making them invaluable for cutting. Height 2 feet. 25 cts. each; \$2.50 per doz.

**PINKS**

The good old-fashioned "Pinks" so frequently found in grandmother's garden. They are of dwarf habit and their delightful spicy fragrance scents the air in May and June. The foliage is attractive throughout the year, and they are especially useful for edging perennial borders. 25c. each; \$2.50 per doz.

**AQUILEGIA (COLUMBINE)**

An old-fashioned perennial that has been greatly improved during the past dozen years. The short old spurs have been increased to a length of almost 2 inches in the newer varieties. As a cut-flower the Long-Spurred Aquilegias are the daintiest of our outdoor grown blooms. 25 cts. each; \$2.50 per doz.

Permanent Flowers for Mass Beauty in the Garden

While the four plants pictured here have some worth as cut-flowers, particularly the Pinks and the Columbines, their value is best realized when planted freely in the open garden where they increase in beauty and usefulness from year to year.

Three plants of each (12 in all) for \$2.25. Order Collection No. 2

**ALYSSUM SAXATILE**

Indispensable for the rockery or border, growing 1 foot high, and producing, in May, masses of broad, flat heads of bright yellow flowers. 25 cts. each; \$2.50 per doz.

**PHLOX, GEFION**

Tender peach-blossom-pink with bright rose eye, creating a soft mauve effect. Flower and truss very large on erect, compact stems. The color now so much in demand. 25 cts. each; \$2.50 per doz.

Helenium

Strong-growing plants, valuable for producing late summer and fall effects in woodland or herbaceous border. Also useful as a cut-flower.

Autumnale, Riverton Beauty. 4 ft. Clear yellow flowers with black centers. August, September.

Autumnale, Riverton Gem. 4 ft. Rich mahogany-red flowers. August, September.

Autumnale superbum. 4 ft. Yellow. August, September.

25 cts. each; \$2.50 per doz.; \$15 per 100

Helianthemum Rock or Sun Rose

Dwarf, evergreen shrubs of spreading habit, which for freedom of flowering and brilliancy of coloring are equaled by few and excelled by no other family of plants. Delighting in full sun, they will thrive on a hot sunny bank where few other plants will exist. Massed on the rock-garden or front of herbaceous border, they are the most gorgeous sight in the garden during June. These plants deserve the close attention of all who are interested in rock-gardening.

Choice Mixed Varieties, 35 cts. each; \$3.50 per doz.

Heliopsis • Orange Sunflower

Pitcheriana. 3 ft. Golden yellow flowers all summer. Similar in general habit to *Helianthus*, but commences to flower earlier in the season (July and August), of dwarfier habit, rarely exceeding 3 feet in height; very valuable for cutting. 25 cts. each; \$2.50 per doz.; \$15 per 100.

Hollyhocks

These stately, majestic, hardy plants, from 6 to 8 feet high, are a necessary part of every old-fashioned garden, and should also find a place interspersed with shrubbery, as clumps on the lawn, or in the mixed border, where their colossal spikes of bloom produce bold and showy effects, which cannot be secured with any other flowering plant.

Double. Mixed colors only.

Single. Many prefer the single-flowering Hollyhocks. They are usually of freer growth than the doubles, and present a very handsome appearance when covered with their artistic blossoms. We can supply them in mixed colors only.

30 cts. each; \$3 per doz.; \$18 per 100



Heliopsis Pitcheriana

Hibiscus

Malloy Marvel. Pink, Red, White, Crimson Eye, Mixed. 25 cts. each; \$2.50 per doz.; \$15 per 100.

Iberis • Hardy Candytuft

Sempervirens. 9 in. An invaluable spring-flowering plant of dwarf and compact habit, bearing masses of snow-white flowers in large trusses. April, May. 25 cts. each; \$2.50 per doz.; \$15 per 100.

Fine Iris Germanica

Their beauty outrivals that of the orchids in the delicacy of structure and wide range of colors. No garden is complete without them, and a very delightful garden can be made with nothing but them, as they are especially adapted for flower borders, shrubberies, woodland walks, and for surrounding lakes and ponds, if planted well above the water-level.

S. means standards or upper petals; F. means falls or lower petals

Aurea. S. and F. chrome-yellow. 35 cts. each; \$3.50 per doz.

Florentina. S. and F. white, faintly flushed with lavender. 25 cts. each; \$2.50 per doz.

Her Majesty. S. rose-pink; F. bright crimson. 35 cts. each; \$3.50 per doz.

Lohengrin. S. and F. cattleya-pink; very large flowers. 35 cts. each; \$3.50 per doz.

Loreley. S. light yellow; F. ultramarine-blue, bordered cream. 35 cts. each; \$3.50 per doz.

Kochi. S. and F. rich purple. 25 cts. each; \$2.50 per doz.

Mme. Chereau. S. and F. white, fringed with azure-blue. 25c. each; \$2.50 per doz.

Pallida Dalmatica. S. pale lavender; F. deep lavender. Large flowers on 3-ft. stems. 35 cts. each; \$3.50 per doz.

Princess Victoria Louise. S. primrose-yellow; F. reddish purple with a narrow, primrose margin. 35 cts. each; \$3.50 per doz.

Rhein Nixe. S. white; F. rich violet-blue. 35 cts. each; \$3.50 per doz.

Iris, Japanese

Kaempferi. The most showy and gorgeous of the Iris family. The stately flowers are often 10 inches in diameter, and are produced freely in July. They require rich, moist soil.

Mixed varieties. 25 cts. each; \$2.50 per doz.; \$18 per 100.

Linum • Flax

Perenne. 2 ft. A continuous succession of clouds of sapphire-blue flowers throughout summer.

Perenne album. White variety of the above. 25 cts. each; \$2.50 per doz.; \$15 per 100

Lupinus • Lupine

Polphyllus. 3 to 4 ft. Strong spikes of deep blue, pea-shaped flowers. June, July.

Polphyllus roseus. Pink variety of the above. 35 cts. each; \$3.50 per doz.

Lychnis

Alpina. 6 in. Compact cushions of rich green leaves, studded in April and May with heads of pink flowers. 25 cts. each; \$2.50 per doz.; \$15 per 100.

Oenothera

Missouriensis. A fine trailing plant with very large, pale yellow flowers, 5 to 6 inches in diameter. One of the best perennials for rock-garden or border. June-August. 30 cts. each; \$3 per doz.; \$18 per 100.



German Iris (*Iris germanica*)

Papaver

Nudicaule (Iceland Poppy). 1 ft. Yellow, orange and white flowers. May-August. 25 cts. each; \$2.50 per doz.

Oriental, Mrs. Perry. 3 ft. Medium-sized flowers of a pleasing pink. May, June. 35 cts. each; \$3.50 per doz.

Oriental Red. Large, brilliant red. 35 cts. each; \$3.50 per doz.

Pentstemon

Barbatus Torreyi. 4 ft. Graceful, tapering stems, covered with large, tubular, scarlet flowers. June-August.

Digitalis. 2 to 3 ft. White, tubular flowers with purple throat. Good for cutting. June, July.

25 cts. each; \$2.50 per doz.; \$18 per 100

Peonies

Peonies are delightful companions for irises; their dense foliage alone makes a charming background and their wonderful abundance of gorgeous and gay-colored flowers blend so beautifully with the colors in the irises that each enhances the beauty of the other.

Both are so hardy, so easy to grow, so sure to bloom, so ready to respond eagerly to any little care and attention, that a lover of one must necessarily have or develop a fondness for the other.

Albert Crousse. (Crousse, 1893.) Bomb type. Large, well-formed flowers of soft shell-pink with faint salmon tints. Vigorous grower with tall, erect stems. Very fine as a cut-flower. Late. 75 cts. each.

Couronne d'Or. (Calot, 1873.) Semi-rose type. Immense, full flowers, pure white with a ring of yellow stamens around a tuft of center petals tipped carmine, gaining the title of "Crown of Gold." 75 cts. each.

Eduis Superba. (Lemon, 1824.) Crown type. Beautiful bright clear mauve-pink with silvery reflex. Decoration Day Peony. Very early. 75 cts. each.

Felix Crousse. (Crousse, 1881.) Rose type. Rich, dazzling ruby-red without a tinge of purple. None better. Late midseason. 75 cts. each.



Border of Peonies and Irises

PEONIES, continued

Festiva Maxima. (Mieliez, 1851.) Rose type. The finest white in existence. Pure white with clear carmine spot on edge of center petal. Early. 50 cts. each.

Germaine Bigot. (Dessert, 1902.) Crown type. Very large, compact flower, composed of broad petals. Color lilac-rose, center prominently flecked crimson. Strong, erect grower with medium tall stems. Very free blooming. Midseason. \$1.25 each.

Lady Alexandra Duff. (Kelway, 1902.) An immense, cup-shaped flower of rose type, with wide imbricated petals. The color of the outer petals is delicate blush-pink rapidly fading to lovely French white. Central flower of rather flattened circular form and the central petals have a touch of carmine. Lateral buds come in semi-double, water-lily-like flowers, exposing the anthers. Showy, fragrant, and very prolific. Robust, strong grower, thriving in all sections. \$6 each.

La Tendresse. (Grouse, 1896.) Rose type. Very full large flowers borne in clusters. Color milk-white, sometimes splashed with carmine. Tall, strong grower; free bloomer; fragrant. Midseason. 75 cts. each.

Louis Van Houtte. (Calot, 1867.) Medium size, semi-rose type. Deep carmine-rose, tipped silver, with fiery reflex—very brilliant coloring. Fragrant. Medium height and habit. Late. 50 cts. each.

Mme. Emile Lemoine. (Lemoine, 1899.) Semi-rose type. Large, globular, compact flower. Glossy white, overlaid with a sheen of tender satiny pink covered with minute lilac dots. Very beautiful. \$1 each.

Mme. Jules Dessert. (Dessert, 1909.) Rose type. Creamy white overlaid with a pronounced pink, center intermixed with golden stamens. Very large, with broad, delicate petals of translucent texture. A charming variety and should be in every collection. \$5 each.

Marquis C. Lagergren. (Dessert, 1911.) Semi-rose type. Large; bright velvety crimson. One of the finest reds ever produced. \$2 each.

Pierre Reingnoux. (Dessert, 1908.) Semi-rose type. An even shade of Tyrian rose, center flecked crimson, with imbricated petals. Dwarf, erect habit. Early midseason. \$1 each.

Pomponette. (Dessert, 1909.) Anemone type. Velvety pink, shaded purple, with brilliant reflex and silver-tipped border. Dwarf, erect growth. Very full flowers of good form. Midseason. \$1 each.

Rachel. (Lemoine, 1904.) Rose type. Lively soft pink, darker when just opening. Rather dwarf with strong stems. Very attractive and scarce. \$5 each.

Reine Hortense (President Taft). (Calot, 1857.) Rose type. Enormous, compact flat flower of soft flesh color, deepening to shell-pink; center showing crimson splashes, sometimes faint stripes on the face of the petals. Well formed and very striking. Deliciously fragrant. A vigorous grower and profuse bloomer. Fine for cut-flowers and usually in bloom just about Decoration Day. Midseason. \$2 each.

Sarah Bernhardt. (Lemoine, 1906.) Semi-rose type. Very large flower of perfect form, full and double, with twisted imbricated petals. Color apple-blossom-pink with each petal silver-tipped. Strong

Sarah Bernhardt, continued

grower, free bloomer, and very fragrant. One of the finest and most dependable Peonies ever produced, attracting attention in every garden. Late midseason. \$2 each.

Solange. (Lemoine, 1907.) Rose type. A very large, full, compact flower of indescribable beauty. Color rare, deep orange-salmon at the heart, overlaid with delicate tender reddish brown—a most unique color combination. The plant is a strong, robust grower and very abundant bloomer. Considered as one of the most unusual and charming Peonies ever produced. Midseason. \$6 each.

Suzette. (Dessert, 1911.) Semi-rose type. Bengal-rose, lightly shaded carmine-purple, with silvery reflex. Strong stems. Rare. Midseason. \$1 each.

Single Peony

Mistral. (Dessert, 1902.) Carmine, yellow center. 75 cts. each.

Japanese Variety

Ruigegno. Dark velvety maroon, with brilliant yellow petaloids. Very striking and unusually large. \$5 each.

Phlox

One of the most important families of hardy perennials and should be well represented in every collection. They are best suited by a deep, well-manured soil and abundance of moisture.

Albion. 2½ ft. White with faint red eye. **Antonin Mercier.** 2 ft. Soft lilac-blue, with white center.

Bacchante. 2 ft. Fiery pink with crimson eye.

Baron van Dedem. 2 ft. Glowing crimson. **Bridesmaid.** 2½ ft. White with rose-crimson eye.

Ceillon. 2 ft. Soft pink with bright rose eye. **Gruppenkonigin.** 2 ft. Flesh-pink with carmine eye.

La Vague. 2 ft. Rosy pink.

Mrs. Jenkins. 2½ ft. White; large trusses. **Rosenberg.** 2 ft. Carmine-violet with reddish eye.

Rijnstroom. 2½ ft. Rose-pink; very large individual flowers.

R. P. Struthers. 2 ft. Bright rosy red with crimson eye.

Thor. 2 ft. Very large trusses of dazzling pink flowers.



Bed of Hardy Phlox

PHLOX, continued

Suffruticosa, Miss Lingard. 2½ ft. Good for cutting; pyramidal trusses of white flowers with faint lilac eyes. June-Sept. 25 cts. each; \$2.50 per doz.; \$15 per 100

Dwarf Varieties

Amœna. Compact tufts of glossy green foliage and masses of vivid pink flowers in April and May.

Carolina. 1 ft. Numerous slender stems, terminating in a cluster of deep rose. May.

Divaricata. 9 in. Trusses of large, fragrant, lavender flowers. May.

Subulata alba (Moss Pink). 6 in. Moss-like foliage covered in April and May with sheets of white flowers.

Subulata, G. F. Wilson. One of the best and most floriferous of spring-flowering plants. Mats of glossy foliage completely hidden by sheets of starry, lavender flowers in April and May.

Subulata lilacina. A lilac variety.

Subulata rosea. A pink variety.

25 cts. each; \$2.50 per doz.; \$15 per 100

Physalis

Francheti (Winter Cherry). 2 ft. Bright orange bladder-like calyxes enclosing a cherry-like fruit. Valuable for drying for winter decoration. October. 25 cts. each; \$2.50 per doz.; \$18 per 100.

Physostegia

Virginica. 3 ft. Long, slender spikes, closely covered with pinkish mauve, tubular flowers. July, August.

Virginica alba. White form of above.

25 cts. each; \$2.50 per doz.; \$15 per 100

Polemonium

Reptans. 9 in. An attractive early spring-flowering plant bearing sprays of blue flowers on short stems. April, May. 25 cts. each; \$3 per doz.; \$15 per 100.

Pink, Hardy

A highly popular group of old-fashioned garden plants, esteemed for their extreme floriferousness and delicious fragrance. They grow 12 to 15 inches high and bloom in May and June.

Excelsior. Delicate rose-pink.

Her Majesty. Pure white; large flowers.

Homer. Deep rose with darker center.

Juliette. White, laced crimson.

Lord Lyon. Deep rose.

White Reserve. Pure white.

25 cts. each; \$2.50 per doz.; \$15 per 100



Pyrethrum

Platycodon · Balloon Flower

Grandiflorum. 2 ft. Blue, bell-shaped flowers, borne on slender stems. June-October.

Grandiflorum album. A white variety of the above.

25 cts. each; \$2.50 per doz.; \$15 per 100

Plumbago

Larpetæ (Leadwort). 1 ft. Forms compact tufts of innumerable wiry stems, each terminating in a dense truss of cobalt-blue flowers. August-October. 30 cts. each; \$3 per doz.; \$18 per 100.

Pyrethrum

Roseum. 2 ft. Daisy-like flowers varying in color from white to crimson. Useful for cutting. June. 25 cts. each; \$2.50 per doz.; \$15 per 100.



Platycodon grandiflorum

Rudbeckia

Golden Glow. 6 ft. Double, deep yellow flowers. July-September. 25 cts. each; \$2.50 per doz.; \$15 per 100.

Salvia · Meadow Sage

Azurea grandiflora. 4 to 5 ft. Tall, straight stems, covered for half their length with sky-blue flowers. August-October.

Virgata. 2 ft. Branching spikes of violet-blue flowers in a continuous succession from June until frost. Should be freely used in all herbaceous plantings.

30 cts. each; \$2.50 per doz.; \$18 per 100

Scabiosa

Handsome border plants, succeeding in any ordinary well-drained soil in a sunny location, and should be grown in every garden where cut-flowers are wanted. They last a long time when picked and placed in water.

Caucasica. 2½ ft. One of the finest hardy plants, bearing throughout summer a succession of large, soft lilac flowers on long stems.

Caucasica alba. A white variety of the above.

30 cts. each; \$3 per doz.; \$18 per 100



Stokesia cyanea

Sedum · Stonecrop

Dwarf Sorts

Suitable for the rockery, carpet-bedding, covering of graves, etc.

Acre. Quickly forms a thick carpet of vivid green, moss-like foliage, hidden by yellow flowers in May.

Album. 6 in. Small, succulent leaves which turn reddish bronze in fall. Trusses of white flowers in June and July. An excellent edging plant.

Hispanicum. 3 in. A minute plant forming spreading tufts of gray foliage becoming bronze in fall.

Spectabile. 1½ ft. Erect, sturdy habit, with broad, glaucous leaves. The flowers, borne in large, flat heads, are rosy purple in color, and retain their beauty for two months. August, September.

Spectabile, Brilliant. A deeper-colored variety than the preceding, being a vivid amaranth-red.

25 cts. each; \$2.50 per doz.; \$18 per 100

Stokesia

Cyanea. 1½ ft. A showy plant with large blue flowers on somewhat straggling stems. August-October.

Cyanea alba. A white form of the preceding.

25 cts. each; \$2.50 per doz.; \$18 per 100

Sweet William (*Dianthus barbatus*)

A well-known, free-flowering hardy perennial, bearing heads of fragrant, richly colored flowers.

Pink Beauty (Newport Pink). A beautiful shade of salmon-pink; very large heads on long stems.

Scarlet Beauty. Large heads of an intense scarlet color; very striking.

Holborn Glory. Giant-flowering varieties in finest assortment of colors.

Single White.

25 cts. each; \$2.50 per doz.; \$15 per 100



Tritoma Pfitzeri

Statice

Latifolia (Sea Lavender). $1\frac{1}{2}$ to 2 ft. Branching flower-stems bearing countless small, blue-purple flowers which retain their color long after being cut and dried. Very good for cutting. August, September. 25 cts. each; \$2.50 per doz.; \$15 per 100.

Thalictrum

Aquilegifolium. $2\frac{1}{4}$ ft. Columbine-like foliage and feathery heads of creamy white flowers. June, July.

Aquilegifolium purpureum. $2\frac{1}{2}$ ft. Pinkish purple flowers.

Glaucum. 2 ft. Glaucous foliage and large, feathery heads of yellow flowers.

30 cts. each; \$3 per doz.; \$18 per 100

Tritoma

Pfitzeri (Torch Lily). 2 to 3 ft. A very distinct and handsome late-flowering perennial with tufts of grass-like foliage and thick fleshy stems covered with orange-scarlet, tubular flowers. September, October. 30 cts. each; \$3 per doz.; \$18 per 100.

Thermopsis

Caroliniana. A strong growing plant which forms a large bush and bears long sprays of clear yellow, lupine-like flowers. 3-4 ft. July. 25 cts. each; \$2.50 per doz.

Veronica

Incana. 1 ft. Compact masses of silvery gray foliage and deep blue flowers. May, June.

Repens. 3 in. Carpet of evergreen foliage entirely covered in spring with very pale blue flowers.

Rupestria. 6 in. A prostrate trailer forming a thick green carpet which is almost hidden in May and June by myriads of clusters of deep blue flowers.

Spicata. 2 ft. Spikes of blue flowers. June-August.

25 cts. each; \$2.50 per doz.; \$15 per 100

Viola

Pedata (Bird's-Foot Violet). 6 in. Tufts of finely divided leaves and lilac-blue flowers. April, May. 20 cts. each; \$1.75 per doz.; \$13 per 100.

Jersey Gem. One of the best hardy plants of recent introduction, and one that cannot be too highly praised. It possesses every good quality that a plant should have, and, as far as we know, no bad ones. Blooms freely and continuously from spring until frost, and the flowers, royal purple in color, are not affected by the sun. Its foliage is a rich, healthy green, and its habit of growth is neat and compact. In the garden it can be used for edging or massing in beds. 50 cts. each; \$5 per doz.; \$35 per 100.

CANNA PLANTS

Ready about
May 10

Bronze Foliage

King Humbert. 5 to 6 ft. Its flowers, which, under ordinary conditions measure 3 inches in diameter, are produced in heavy trusses of gigantic size, are of a brilliant orange-scarlet, with bright red markings, while the foliage is broad and massive and of a rich coppery bronze, with brownish green markings. 30 cts. each; \$3 per doz.; \$20 per 100.

Wyoming. 6 ft. Bronze-purple foliage; immense spikes of large massive orange flowers. 30 cts. each; \$3 per doz.; \$20 per 100.

Red-flowering, Green Foliage

Carmine Beauty. 4 ft. Bright deep carmine flowers produced freely in large trusses well above the heavy dark green foliage. The intense coloring and freedom of flowering make it remarkably attractive. 30 cts. each; \$3 per doz.; \$20 per 100.

Fanal. 4 ft. An intense fiery cinnabar-red that compels attention. An ideal grower, producing a great abundance of flowers on upright stems well above the foliage. 30 cts. each; \$3 per doz.; \$20 per 100.

The President. 4 ft. This splendid variety produces immense flowers of a rich, glowing scarlet. Superior in quantity and quality of bloom to any other red variety. Green foliage. Widely used in parks for brilliant mass effects. 30 cts. each; \$3 per doz.; \$20 per 100.

Pink-flowering, Green Foliage

Salmonea. $3\frac{1}{2}$ ft. A French introduction of great merit. A distinct, intense shade of salmon-flesh. Flowers of medium size very freely produced; deep bronzy green foliage. Its profuse bloom lends a wonderful sufficiency to the effectiveness of this novelty as a bedding plant. 30 cts. each; \$3 per doz.; \$20 per 100.



Border of Cannas

PINK-FLOWERING, GREEN FOLIAGE, continued

Salmon Queen. $4\frac{1}{2}$ ft. The large flowers are of a deep salmon suffused with old-rose. A vigorous, upright grower with heavy dark green foliage. 30 cts. each; \$3 per doz.; \$20 per 100.

Mrs. Alfred F. Conard. 4 ft. Its exquisite salmon-pink flowers are of largest size, so freely produced as to keep a superb showing for months. 30 cts. each; \$3 per doz.; \$20 per 100.

Yellow-flowering, Green Foliage

Richard Wallace. 5 ft. A magnificent, large, light yellow variety; green, well-shaped foliage. A very impressive plant. 30 cts. each; \$3 per doz.; \$20 per 100.

Yellow King Humbert. 5 to 6 ft. Possesses the vigor, freedom, and size of bloom of the old King Humbert variety, but has bright green foliage and produces large masses of yellow flowers dotted with red. 30 cts. each; \$3 per doz.; \$20 per 100.

Above prices are for plants

Dry Roots of the above varieties can be supplied at 20 cts. each; \$2 per doz.; \$12.50 per 100.

Hydrangea Otakasa

This is the variety that is used so extensively at the Atlantic seashore resorts, producing immense heads of usually pink but sometimes blue flowers. From 5-inch pots, 75 cts. each; \$7.50 per doz. From 6-inch pots, \$1.25 each; \$12 per doz.

Waterer's Select Fruits



Fay's Prolific Currants

Small Fruits

Blackberries

Price of Blackberries, \$1 per doz.; \$7 per 100

Erie. Early; hardy and productive; large, sweet fruit of excellent quality.

Eldorado. Sweet, melting, and rich. A valuable variety, being hardy and very productive.

Mesereau. An enormous producer of extra-size berries, which are brilliant black, and retain their color under all conditions; very sweet and without core.

Ward. Produces an enormous crop of extra-large, glossy black berries, which are rich, sweet, and tender and with no hard core.

Gooseberries

Price of Gooseberries, \$3.50 per doz.; \$20 per 100

Downing. Large, solid, very firm berries. The bush is unusually free from mildew and produces great quantities of light-colored berries of excellent quality.

Houghton. The medium-sized berries are red when ripe and sweet; very productive. One of the best sorts for general purpose planting.

Grapes

Price of Grape-Vines, 50 cts. each; \$5 per doz.

Concord. Ripens in early August. Fruit dark purple, almost black, large, juicy, sweet, and delicious. Because of its extremely high merit, Concord has become the most popular Grape in the country.

Moore's Early. Ripens a little before the Concord. Very deep black berries, unusually large, and of extra-fine quality. The bunches are medium size, but are held together firmly. They stand handling and shipping unusually well and have an established reputation on all markets.

Caco. A cross between Catawba and Concord. In appearance it is one of the most beautiful of all hardy Grapes. The large, wine-red berries, with abundant bloom, are carried in large, compact bunches. It ripens in advance of Concord and is a strong, vigorous grower. \$1 each.

Niagara. Ripens in late August. Bunches of berries large; color greenish white, changing to pale yellow when fully ripe.

Currants

Price of Currants, \$3.50 per doz.; \$20 per 100

Fay's Prolific. Best of all the red Currants. A great bearer, with long stems. Subacid. **Wildner.** Strong grower, quite unusually productive, and of extra-good quality. Red.

Raspberries

Price of Raspberries, \$1 per doz.; \$7 per 100

Cumberland. (Blackcap.) The largest Raspberry known; immensely productive. **Cuthbert.** Berries very large, conical, rich crimson. One of the old-time favorites.

King. In this extra-early variety are united earliness, bright color, firmness, and excellent quality of its berries, with vigorous growth, productiveness, and hardness of cane. Its crimson berries are exceedingly bright in color and firm.

Ranere (St. Regis). Fruit ripens very early and bears extremely heavy crops that sell for fancy prices because of its earliness. All summer, until frost, it gives fair to good pickings, dependent in part on the season. Extremely hardy, vigorous, and free from disease.

Strawberry Plants

Price of the following Layer Strawberry Plants. \$1 for 25; \$1.50 for 50; \$2 per 100; \$15 per 1,000. We can supply most all other popular varieties though not offered here.

Big Joe
Brandywine
Campbell's Early
Chesapeake

Premier
Senator Dunlap
Sharpless
William Belt

Choice Fruit Trees

Strong, Selected Stock

(These can be shipped by express only)

Apples

Price of Apple Trees, 5 to 6 feet high, \$1.75 each; \$9 for 6; \$15 per doz.

Delicious. Winter. Brilliant dark red, shading to yellow at the blossom end; flesh white and tender; large size.

Grimes. Ripens fairly late. Skin golden yellow; flesh yellow; flavor rich and spicy, slightly acid.

Jonathan. Late fall. Skin is brilliant red. Flesh white, juicy and fine-grained; size medium to large.

McIntosh. Winter. Color bright deep red; flesh white, with slight pinkish tinge; medium to large.

Oldenburg (Duchess of Oldenburg). Early. Yellow streaked with red; flesh white and juicy; medium size.

Rome Beauty. Winter. Yellow overlaid with stripes; quality excellent; late bloomer. Fruit keeps well.

Stayman Winesap. Winter. Dark red skin, tinged with yellow; flesh yellow; medium to large. Succeeds on poor soil. Always dependable.

Wealthy. Fall. Skin almost solid red; flesh white or little stained, juicy and crisp; size medium.

Williams. Very early. Skin a dark, rich red; flesh white, juicy, slightly tart; size large.

Winesap. Winter. Bright red skin; flesh yellow; medium to large. Bears regularly.

Yellow Transparent. Ripens extremely early. Skin clear yellow; flesh white; the flavor, while slightly acid, is excellent; size medium to large. Bears early.

York Imperial. Winter. Greenish yellow, overlaid with red stripes; flesh juicy, slightly coarse; medium size. Keeps well.

Cherries

Price of Cherry Trees, 5 to 6 feet, \$2 each; \$9 for 6; \$15 per doz.

Black Tartarian. (Sweet.) Large; purplish black; immense bearer.

Early Richmond. (Sour.) Dark red; medium size; splendid flavor.

Governor Wood. (Sweet.) Fruit light red, larger than most varieties, with rich, sweet flavor; hangs well on the tree. Trees are reasonably strong growers and free bearers.

Large Montmorency. (Sour.) Light red; very productive.

Napoleon. Most profitable yellow sweet Cherry. Flesh firm, juicy, and delicious.

Peaches

Price of Peach Trees, 5 to 6 feet, \$1.25 each; \$6 for 6; \$10 per doz.

Brackett. Ripens after Elberta. Orange-yellow skin, tinged with carmine; flesh is deep yellow, highly flavored; large to very large. Freestone.

Belle of Georgia. Ripens early in August. Creamy white, red cheek; flesh white with some red near the pit; large. Freestone.

Elberta. Ripens middle of August. Yellow skin, with deep red cheeks; flesh is golden yellow, red at the pit, firm and juicy; runs from large to extra large. Freestone.

Hile. Ripens last of July. Yellowish white skin with deep red cheek; flesh white and very juicy; large, hardy. Freestone.

Carman. Ripens third week in July. Yellowish white skin, with creamy white flesh, slightly tinged with red; good size. Freestone.

Pears

Price of Pear Trees, 5 to 6 feet, \$2 each; \$10.50 for 6; \$17.50 per doz.

Bartlett. Early. Yellow, shaded blush; very sweet and juicy.

Kieffer. Winter. Fruit large to very large; skin yellow, with light vermillion cheek; flesh brittle, very juicy. Most popular canning Pear.

Seckel. Small; yellowish brown; very sweet and juicy.

Plums

Price of Plum Trees, 5 to 6 feet, \$2 each; \$10.50 for 6; \$17.50 per doz.

Abundance. Ripens in mid-July. Skin light amber-color, turning to bright cherry-red. Flesh is light yellow and very juicy.

Burbank. Ripens in late August and early September. Skin nearly red. Flesh deep yellow, sweet, and of a peculiar flavor.



Elberta Peach

LAWN MOWERS

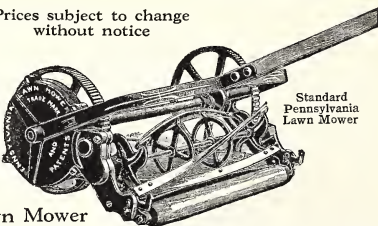
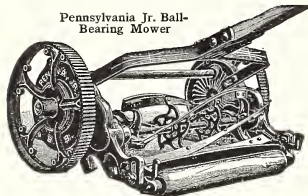
Prices subject to change
without notice

Standard Pennsylvania Lawn Mower

A high-grade Mower of excellent quality, having an open cylinder, open wheels, and a train of gears. The cutting blades are of the finest crucible tool steel. The height of cut is adjustable from $\frac{3}{8}$ to $1\frac{1}{2}$ inches, and grass 6 inches high can be cut with this Mower.

High wheel, $10\frac{1}{2}$ -inch diam., 4 blades—	
15-inch cut.....	\$27 00
17-inch cut.....	30 50
19-inch cut.....	34 50
21-inch cut.....	38 50

Low wheel, 8-inch diameter, 4 blades—	
12-inch cut.....	\$17 00
14-inch cut.....	20 00
16-inch cut.....	23 00

Standard
Pennsylvania
Lawn MowerPennsylvania Jr. Ball-
Bearing Mower

The Continental Lawn Mower

The machine for high grass and rough lawns. The Continental is double geared while the Pennsylvania is single geared. High wheel, $9\frac{1}{2}$ -inch diameter, 4 blades.

15-inch cut.....	\$27 00	19-inch cut.....	\$34 50
17-inch cut.....	30 50	21-inch cut.....	38 50

Pennsylvania Jr. Ball-Bearing Mower

Five blades of crucible tool steel. Lower knife, of raised edge pattern, made of the same steel. It is of such construction as to make it self-sharpening until entirely worn out. Ball-bearing cylinder journals. Bearings are the best, adjustment the finest. Double train of gears, one on each side, insuring smooth work on the uneven lawn.

High wheel, 10-inch diameter.

15-inch cut.....	\$27 00
17-inch cut.....	30 50

19-inch cut.....	\$34 50
21-inch cut.....	38 50

Low wheel, 8-inch diameter.

12-inch cut.....	\$17 00
14-inch cut.....	20 00

16-inch cut.....	\$23 00
18-inch cut.....	26 00

Pennsylvania Golf Lawn Mower

For putting greens and close cutting around golf courses, tennis courts, etc.; equipped with an iron roller of small diameter in place of the usual wooden roller.

High wheel, ball-bearing, 7-blade cylinder.

17-inch cut.....	\$34 00	19-inch cut.....	\$38 00	21-inch cut.....	\$42 00
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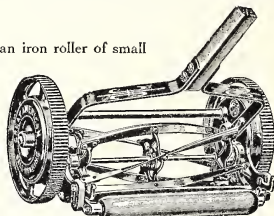
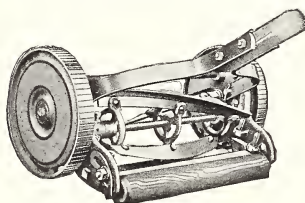
Pennsylvania Super Great American Ball-Bearing Lawn Mower

The Super Great American has roller bearings in the drive wheels, steel axles, and several minor improved fittings. It is a double-gear machine with five knives made of crucible tool steel of the very highest quality, oil-tempered, and water-hardened. Its bottom knife is of the same quality and self-sharpening. The case-hardened tool steel cones and cups in which extra-large bearing cylinder journals (10 inches in diameter), make it one of the easiest running Lawn Mowers on the market.

The Great American, as a machine for the home lawn, is unsurpassed in quality, durability, and the perfection of its working parts. It is a machine of the very highest class in every respect. 10-inch wheels; 5-blade cylinder.

15-inch cut.....	\$19 50
17-inch cut.....	22 50

19-inch cut.....	\$25 00
21-inch cut.....	28 00

Super Great American Ball-Bearing Lawn
Mower

Crescent Lawn Mower

Crescent Lawn Mower

Material, workmanship and finish equal to many high-priced machines. A light, durable Mower guaranteed to give excellent satisfaction and priced to meet the demand for an inexpensive Lawn Mower for small gardens. 3 blades.

12-inch.....	\$6 45
14-inch.....	6 95

Coldwell Knickerbocker Mower

A high-grade, five-blade, 10-inch wheel, ball-bearing Mower moderately priced. A light-running, well-balanced machine.

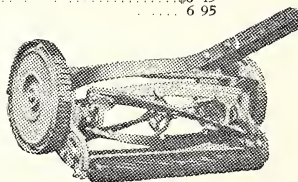
16-inch cut.....	\$17 00	18-inch cut.....	\$18 25
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Jewel Lawn Mower

The best Mower for the price. Made by the Coldwell Lawn Mower Co., to meet the demands for a fairly good, low-priced Mower, where the size of the lawn does not justify a heavy outlay.

High wheel, 4-blade cylinder.

12-inch cut.....	\$9 00	14-inch cut.....	\$9 50	16-inch cut.....	\$10 00
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Jewel Lawn Mower

Coldwell's Ball-Bearing Trimmer

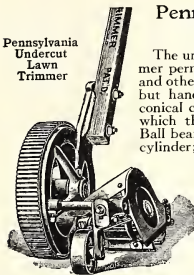
Coldwell's Ball-bearing Trimmer is a very high-class tool for finishing along walks, walls, and flower-beds, where the regular lawn mower cannot be used successfully. It accomplishes this task quickly and neatly and with very little effort. Does away with the back-breaking job of trimming with shears. 8-inch cut, \$10.50.



Lawn Boots for Horses

Made of very heavy sole leather, waterproofed and finished black. The sole is reinforced with steel rivets. Set of four, \$15.

Pennsylvania
Undercut
Lawn
Trimmer

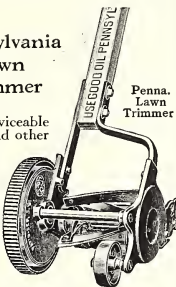


Pennsylvania Undercut Lawn Trimmer

The unique construction of the undercut Trimmer permits cutting close to a wall, fence, tree, and other places hitherto out of reach of anything but hand shears. The slanting side plate and conical cylinder make it possible to cut all grass which the regular lawn mower will not reach. Ball bearing, with 9½-inch drive wheel; 4-blade cylinder; 5½-inch cut, \$12.

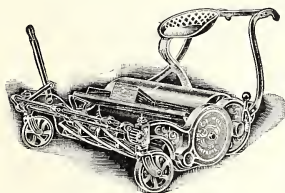
Pennsylvania Lawn Trimmer

Made to meet the demand for a serviceable tool to take the place of grass shears and other devices for cutting the grass left at the edge of lawns or borders after mowing. This machine will cut to within ¾ of an inch of a wall or tree trunk, and mow any grass border wide enough to run one wheel on. The blades are of best crucible steel; it is ball bearing and self sharpening. Equipped with an 8-inch drive wheel and a 4-blade cylinder; 6-inch cut, \$10.50.

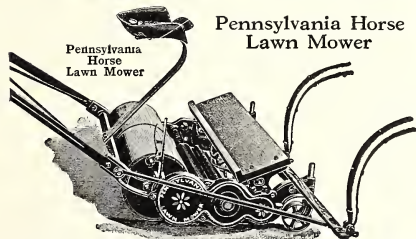


Coldwell Horse Lawn Mower

Is used in many public parks and private estates. Price, complete with shafts, seat and side-draft attachment, which keeps the horse on the cut grass, 30-inch cut \$130; 35-inch cut, \$150.



Pennsylvania Horse Lawn Mower



The Standard machine is adapted to hilly, rolling lawns, while the Grand style, being heavier in construction and weight, is the ideal machine for level lawns and grounds; it serves as a lawn roller as well as a mower.

Standard or Regular Style

4-blade cylinder.....	\$60 00
25-inch cut Pony, with wooden rear roller.....	100 00
30-inch cut, with draft irons and handles.....	120 00
30-inch cut, with seat and shafts.....	130 00
38-inch cut, with draft irons and handles.....	130 00
38-inch cut, with seat and shafts.....	155 00

Grand Horse Mower

30-inch cut, with draft irons and handles.....	115 00
30-inch cut, with seat and shafts.....	135 00
38-inch cut, with draft irons and handles.....	145 00
38-inch cut, with seat and shafts.....	170 00

Grass Catcher (Braun's)

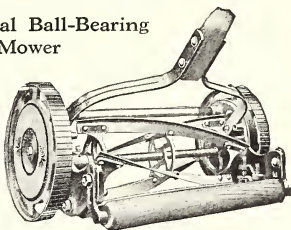
Made to fit the Pennsylvania, Continental, and Great American Mowers.

12-inch.....	\$3 00	16-inch.....	\$3 50	19-inch.....	\$4 00
14-inch.....	3 25	17-inch.....	3 75	21-inch.....	4 25
15-inch.....	3 50	18-inch.....	3 75		

Waterer's Special Ball-Bearing Lawn Mower

The best all-round Ball-bearing Mower to be had at a moderate price. In designing this Mower, every feature was included that would produce one of the finest Mowers ever built. It is durable, light-running, easy to push, and requires very little attention or adjustments.

It has 9-inch steel wheels, solid style, and the cylinder has 5 crucible steel blades, driven direct by gears in each wheel. The bottom knife is flat crucible steel, self-sharpening. A well-balanced machine and Waterer quality throughout. One size only, 16-inch, \$11.95.



Coldwell Electric Lawn Mower Efficiency, Simplicity and Power Plus A 21-inch Mowing Unit

Carefully designed and constructed. Entirely practical and thoroughly dependable. Large capacity for fine work. Inexpensive to operate. Moderately priced. \$245.

Coldwell Motor Mowers

Capable of propelling up grades as steep as 25 per cent. These Mowers are sold for net cash f.o.b. Newburgh, N. Y.

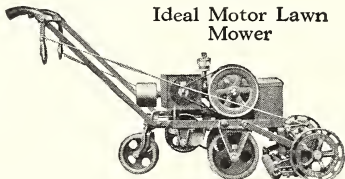
Model M. 40-inch cutting area.....	\$1550 00
Model G. 35-inch cutting area.....	475 00
Model H. 30-inch cutting area.....	425 00
Model R. 25-inch cutting area.....	280 00

Model "L" Motor Lawn Mower and Roller

This machine is a more recent Coldwell development designed to fill the need for a practical motor-driven, hand-controlled Lawn Mower with plenty of reserve power, making it possible to cut close up to and around trees, shrubbery, walks, and driveways; to operate efficiently on the smaller areas and at the same time to cut from 4 to 6 acres per day on the larger areas of lawn. In this model is combined the extreme flexibility of the hand Mower with the large cutting capacity, rolling feature and other advantages and conveniences which can be obtained only with a motor Mower. The Model "L" is equipped with a 3½-horse power Fuller-Johnson water-cooled motor, and cuts a swath 25 inches wide. \$350.

The New Gang Units. Extreme cutting width, 60 inches. The new detachable Gang Units for use with Model "L" Motor Lawn Mower and Roller increase the cutting width from 25 to 60 inches. \$60.

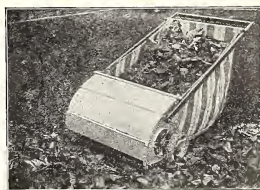
Ideal Motor Lawn Mower



A very successful power Mower. Will mow from 4 to 5 acres of grass per day, at a cost of 90 cents for fuel and oil. Prices f.o.b. Philadelphia. 22-in. cut \$260 (without riding attachment); 30-in. cut \$385 (without riding attachment). Riding attachment for 30-inch machine only, \$20 extra.

Pennsylvania Lawn Cleaner

This hand machine will remove from the lawn not only the cut grass, but all sorts of leaves and litter, leaving the grass standing upright. It is easy to operate, and, with it, one man will do more and better work than four men with hand rakes. 24-inch rake, \$30; 36-inch rake, \$42.50. **Sweeping Brushes** for the above, \$9 per set of 3, when purchased separately.



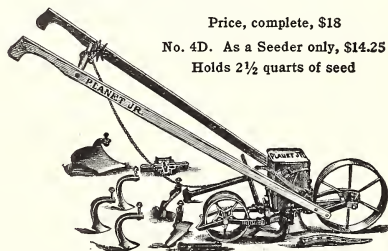


Planet Jr. Farm and Garden Tools



These are the greatest time, labor, and money-savers ever invented for the farm and garden. They pay for themselves in a single season in bigger, better crops, and last a lifetime. Fully guaranteed. Ask for special Planet Jr. catalogue.

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator, and Plow

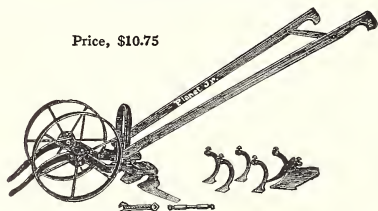


Price, complete, \$18
No. 4D. As a Seeder only, \$14.25
Holds 2½ quarts of seed

This tool combines in a single convenient implement a first-class Hill and Drill Seeder, having the same sowing device as the No. 3 Seeder, with a Wheel Hoe, Cultivator and Plow. Popular with gardeners.

No. 12 Combined Double and Single Wheel Hoe, Cultivator and Plow

Price, \$10.75

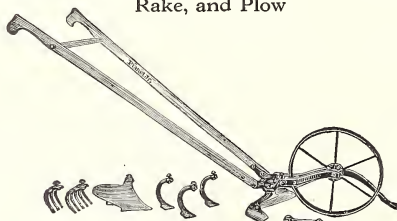


A Double and Single Wheel Hoe in one. 14-inch steel wheels. Straddles crops till 20 inches high, then can be worked between rows with one or two wheels. The greatest hand-cultivating tool made.

Fire-Fly Garden Plow

Useful to owners of small gardens, and to chicken raisers for plowing up scratching yards. Price, \$4.25.

No. 16 Planet Jr. Single Wheel Hoe, Cultivator, Rake, and Plow

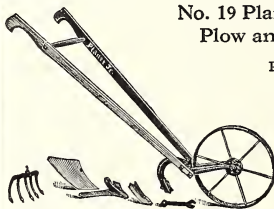


Designed to do all work required in the small garden. Plowing, cultivating, hoeing, and raking. It is very light, and can therefore be easily carried about. \$9.

NO. 17. SINGLE WHEEL HOE. Identical with No. 16, excepting that the two rakes and leaf-guard are not supplied. \$8.

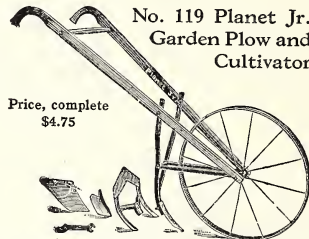
No. 19 Planet Jr. Garden Plow and Cultivator

Price, \$6



No. 119 Planet Jr. Garden Plow and Cultivator

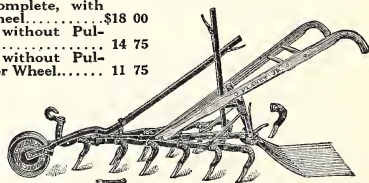
Price, complete
\$4.75



This new member of the "Planet Jr." family will appeal to all those who prefer a high-wheel tool for their garden work. The equipment is so complete that it will meet all the needs of the ordinary garden, where the adjustments and refinements of the higher priced Wheel Hoes are not required.

Planet Jr. Twelve-Tooth Harrow, Cultivator and Pulverizer

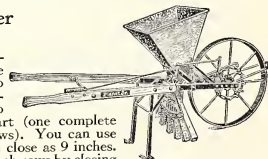
No. 90 Complete, with Steel Wheel.....\$18 00
No. 90B without Pulverizer..... 14 75
No. 90D without Pulverizer or Wheel..... 11 75



With the Twelve-Tooth Harrow you go as deep or shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil and mellow and fine it as with a garden rake. You widen and narrow as you please between 12 and 32 inches.

Planet Jr. Fertilizer Distributor

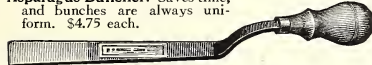
The No. 220 will distribute fertilizer in the middles of three rows 12 to 14 inches apart; it will side-dress one side each of two rows up to 36 inches apart (one complete row; and corn in wider rows). You can use it in very narrow rows—as close as 9 inches. You can use it in 42 to 48-inch rows by closing off the flow in three spots and distributing through the other three—either on the right or left hand side. The hopper capacity is one bushel and the weight of the load is placed over the wheel, making it easy to push. The simplicity, efficiency, and long wearing qualities of the No. 220 will appeal to everyone. No chains, gears, or canvas belts to break, rust, tear, or stick. \$27.



High-Grade Tools and Supplies for Garden and Greenhouse

PRICES SUBJECT TO CHANGE
WITHOUT NOTICE

Aprons, Rubber. To protect the clothing when watering or doing any garden or greenhouse work. Extra-heavy quality. \$3.
Asparagus Buncher. Saves time, and bunches are always uniform. \$4.75 each.



Asparagus Knife

Asparagus Knives. Fine quality steel. Square blade, 50 cts. each; V-shaped, long handle, 55 cts. each.

Asparagus Tape. 1,000-yd. spools. Fast colors; green and red. \$5.25 each.

Baskets, Split or Chip, with handles. ¼-bus. \$1.60 per doz.; ½-bus. \$1.75 per doz.; ¾-bus. \$2.50 per doz.; 1-bus. \$3 per doz.

Baskets, Rubbish. Strong, well-made, with rope handles. 3-bus. \$4.50 each.

Bean Poles, Cedar. About 10 feet long. \$2.25 per doz.; \$4 for 25; \$7.75 for 50; \$12.50 per 100.

Bellows, Powder. See page 83.

Bird-House, Cedar. Durable houses of swamp cedar made of just the right sizes to attract different species of birds. 85 cts. to \$2.75.

Boxes, Cardboard, Flower.

Size, inches	Doz.	100
16 x 4 x 3	\$0.80	\$4.80
18 x 7½ x 3½	1.15	7.20
21 x 8 x 4	1.40	8.70
24 x 5 x 3½	1.10	7.05
24 x 8 x 4	1.55	9.45
23 x 12 x 5	3.00	
28 x 8 x 5	2.40	
30 x 9 x 4	2.50	
30 x 9 x 6	3.10	
36 x 6 x 5	2.80	
36 x 8 x 5	3.00	
36 x 12 x 6	4.30	

Brooms, Stable or Road. Rattan or coco. \$1.50 each.

Brooms, Upright. Corn \$1 each; corn and rattan \$1.20 each.

Carnation Supports. See page 82.

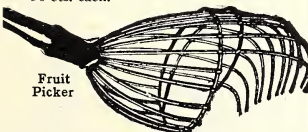
Carnation Bands, Rubber. Oz. 30 cts.; ¼ lb. \$1.

Dibbles. Just the tool for transplanting your small plants.

Brass Point. Wood handle; does not rust. \$1 each.

All Iron. Made hollow and light. 75c. ea.

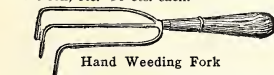
Fruit Pickers. Made of steel wire, heavily galvanized. Can be attached to any pole. 50 cts. each.



Fruit Picker

Fumigating Lamp. Used for vaporizing of nicotine preparations. All metal. Practical and indestructible. Burns kerosene. 85 cts. each.

Forks, Hand Weeding. Has three steel prongs. Fine for transplanting or loosening the soil, etc. 50 cts. each.



Hand Weeding Fork

American Garden. 4-prong; fine quality steel; 12-in. handle. 65 cts. each.

Short Handle. 4-prong; finest malleable steel. 75 cts. each.

Forks, Hay. Flexible steel; 2-tine, \$1.50; 3-tine, \$1.75.
Manure. 4-tine; D handle, \$2.25; long handle, \$1.75.

Spading. Best grade; tines spear-pointed; handle strapped both sides. Of superior quality and very strongly made. 4-tine, D handle, \$2.25; 5-tine, D handle, \$2.75.

Garden Tool Sets. For women and children; light-weight, serviceable, long-handled tools. Set consists of 1 Spade, 1 Hoe, and 1 Rake. \$2 per set.

Garden-Line Reels. Small size, \$1.75; large size, \$3.25; double, \$4.50.

Garden Lines. Best quality white cotton, solid braided. 96 ft., \$1.50; 144 ft., \$2.25; 192 ft., \$3; 240 ft., \$3.75.

Glass Cutters. Steel wheel, 25 cts. Six wheels, 65 cts.

Glazing Points, Peerless. Made in three sizes: No. 1, for small single thickness glass; No. 2, for medium double thickness glass; No. 2½, for large double thickness glass.

65 cts. per 1,000, postpaid 75 cts.

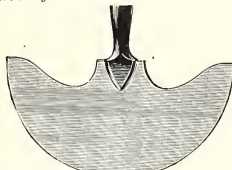
Gloves. Heavy, to protect against briars, etc. Buckskin or horsehide, \$2 per pair.

Grafting Tool. Made of fine quality steel. \$1.

Grafting Wax. ¼ lb. 15c.; ½ lb. 25c.; 1 lb. 45c.

Grape Bags. Protect grapes against insects and birds. Bags should be applied when grapes are the size of a pea, prior to which fruit should be sprayed. 2-lb., 60 cts. per 100; \$5 per 1,000; 3-lb., 70 cts. per 100, \$5.75 per 1,000.

Grass Edger, Planet Jr. No. 2. Extremely simple to operate; made of high-grade steel. Does the work more rapidly and easily than the regular edging knife. The disc is made of high-grade steel and will last for years. \$1.80 each.



Grass Edging Knife, English. Made of the very best steel. 8-in., \$2.25; 9-in., \$2.50.
American. Equipped with handle. 9-in., \$1.40. H handles for English Knives, 25 cts. each.



Grass Hooks or Sickles, Imported English. Forged from the finest quality tool steel. Heavy riveted blade; thin blade. No. 2, \$1.10; No. 3, \$1.15. Solid blade, No. 2, \$1. Cavalier, 75 cts.

Grindstone, Sterling Mounted. Substantially made; heavy steel frame with seat and double treads; fitted with improved ball bearings, of the very best quality, encased so they will keep clean. Stone, 19 to 22 inches diameter, 1¼ to 2¼ inches thick. Weight 100 lbs. Shipped knocked down crated. \$11.50 each.

Hanging-Baskets, Wire. Painted green. Can be suspended anywhere, indoors or out. 8-in., 30 cts.; 10-in., 45 cts.; 12-in., 65 cts.; 14-in., 75 cts.; 16-in., 90 cts.

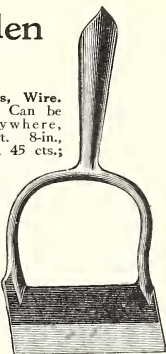
Hammers, Steel Claw. \$1.10 ea.

Hatchets. Finest quality steel. \$1.75 each.

Hedge-Trimmers. See page 82.

Hoe and Rake, Combined. A very handy garden tool; best quality steel. 4-prong, \$1.10; 6-prong, \$1.20.

Hoes, English Scuffle. Forged steel; positively the best. The quality of material used and finish is superior to all others. 5-in., \$1; 6-in., \$1.10; 7-in., \$1.25; 9-in., \$1.50. Handles, 25 cts. extra.

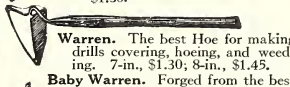


English Scuffle Hoe

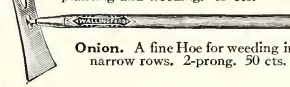
Square. 6-in., \$1.15; 7-in., \$1.20; 8-in., \$1.25.



Half Moon. 4-in., \$1; 5-in., \$1.10; 6-in., \$1.15; 7-in., \$1.20; 8-in., \$1.30.



Warren. The best Hoe for making drills covering, hoeing, and weeding. 7-in., \$1.30; 8-in., \$1.45.



Baby Warren. Forged from the best quality steel. Excellent for transplanting and weeding. 65 cts.

Onion. A fine Hoe for weeding in narrow rows. 2-prong, 50 cts.

Hose, Rubber, Electric. Three-ply, non-kinkable, moulded. The strength and durability of this Hoe places it as the most popular on the market. ¾-in., 24 cts. per ft.

Flexo. A good-quality Hose, moderately priced; very serviceable. ¾-in., 22 cts. per ft.

Tryme. Surpasses all other grades of Hose at this price. ¾-in., 18 cts. per ft.

Spray. ¾-in., 15 cts. per ft. No charge for couplings on length 25 ft. or longer; shorter than 25 ft., 30 cts. per set.

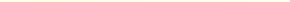
Hose Bands, Wire. 35 cts. per doz.

Hose Clamps, Galvanized. ½ and ¾-in., 5 cts. each; 45 cts. per doz.

Hose Couplings, Standard Brass. ½ and ¾-in., 30 cts. each.

Hose Menders, Perfect. 15 cts. each; \$1.50 per doz.

Hose Menders, Cooper's Brass. A Mender that does not reduce the size of your hose. ½ and ¾-in., 10 cts. each; \$1 per doz.



Hose, Siamese Connection.

This brass hose attachment is an excellent arrangement for operating two or more lawn sprinklers at one time. 65c. each.

Smooth Faucet Hose Connection. For small spigot, 50c.; large, 60c.**Hose-Nozzle, Boston.**

Coarse or fine; made of copper. \$1.35 ea.

Gem. A very popular adjustable Nozzle. Can be regulated to give three different streams. 90 cts. each.

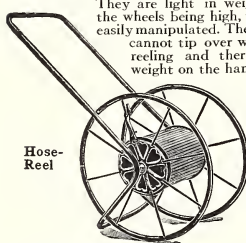
Bordeaux. A good Nozzle for whitewash and all heavy spray materials. \$1.50 ea.

Hose Washers. 5c. per doz.; 50c. per lb.

Hose Nozzle Holders. Made of heavy galvanized wire. 20 cts. each.

Hose-Reels.

Constructed entirely of iron. They are light in weight and the wheels being high, they are easily manipulated. These Reels cannot tip over when un-reeling and there is no weight on the handle.



Hose-Reel

Style B, No. 10. Capacity 100 ft. $\frac{3}{4}$ -in. rubber hose, \$5.

Style B, No. 20. Capacity 150 ft. $\frac{3}{4}$ -in. rubber hose, \$6.

Style B, No. 30. Capacity 400 ft. $\frac{3}{4}$ -in. rubber hose, \$9.

Victor. Constructed with channel steel frame, cast iron wheels, solid steel reel arms; heavy corrugated steel drum. Holds 100 ft. $\frac{3}{4}$ -in. hose, \$3.50 each.

Hotbed Mats. For protecting hotbeds and coldframes. 1-sash, burlap, 40 x 76 in., \$2.75; 2-sash, 76 x 76 in., \$5.

Straw Mats. 1-sash, \$2; 2-sash, \$3.50.

Hotbed Sash. Made of selected cypress. 3 ft. 1 $\frac{1}{2}$ in. wide, 6 ft. long.

Plain, not glazed or painted. \$4.25 each.

Glazed, painted, putted glass. \$8 each.

Packing charges on glazed sash, 50 cts. each.



Kneeling Pad. Will protect the clothing while doing any kneeling in damp places. Made of sponge rubber. \$1.50 each.



Knives, Budding. \$1.75 and \$2.75.

Wired Tree Label

4 to 6 inch Pot Label

8 to 12 inch Garden Label

Tree Labels, Copper-wired, Painted. 50 cts. per 100, \$3.25 per 1,000.



Siamese Hose Connection

Painted Pot Labels.

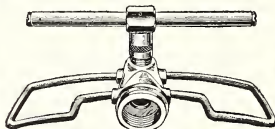
Sizes	100	By P.P. per 100	1,000
4 -inch.....	\$0 35	\$0 40	\$2 25
4 $\frac{1}{2}$ -inch.....	40	45	2 75
5 -inch.....	45	50	3 00
6 -inch.....	55	60	3 50
8 -inch.....	1 60	1 70	9 00
10 -inch.....	1 75	1 90	11 00
12 -inch.....	2 25	2 50	14 00

Simplex Weatherproof. Writing is protected by a transparent cover and will last for years if done with lead pencil. However, the pencil markings may be instantly removed with an ordinary eraser, and the label used again. Prices, including copper wires for attaching:

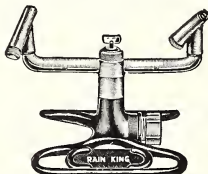
No.	Doz.	100
No. 1. 3 x $\frac{1}{2}$ -inch.....	\$0 50	\$2 50
No. 2. 4 x $\frac{3}{4}$ -inch.....	85	5 00
No. 3. 5 x 1-inch.....	1 10	7 50

Lawn Sprinklers

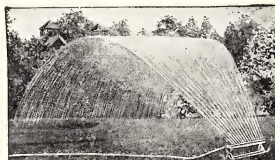
Ring. Made entirely of brass. 90 cts. each.



Rainbow. The ideal revolving Sprinkler for a low water pressure. Will water a circle 40 to 50 feet in diameter. \$2.50 each.

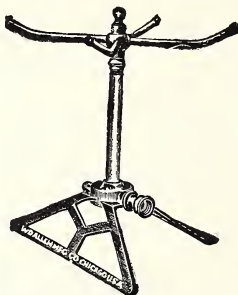


Rain King. The finest adjustable Lawn Sprinkler on the market. Will water a large or small area (8 to 80 feet in diameter), fine or coarse spray, revolving or stationary. Heavy, durable bearings; will last for years. \$3.50 each.

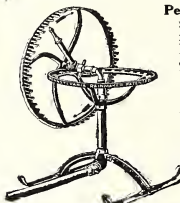


Water Fan. An automatic oscillating Sprinkler actuated by a small water motor. All the gears of the motor are enclosed, which protects them and provides for oil lubrication.

No. 6. Discharges $3\frac{1}{2}$ gals. of water per minute through 11 outlet tubes. \$15 ea.
No. 8. Discharges 5 gals. of water per minute through 15 outlet tubes. \$18 ea.



California. Made with four brass arms attached to a sled base. Can be readily drawn about the lawn, and will not upset. \$2.50 each.



Pennsylvania Rain-maker. Can be regulated to throw heavy or medium drops or fine spray. With a pressure of not less than 40 pounds it will distribute this evenly from the center to the extreme edge of a circular area 60 to 75 feet in diameter. It distributes the water evenly

over the entire area so gradually that it allows it to sink into the ground and not run off into low places. \$25 each.

Tu-Way Sprinkler.

Here is a Sprinkler that combines two sprinklers in one—exactly the sprinkler that is needed for the small lawn or for odd-shaped spaces. Use it as a circular sprinkler and you can cover a circle 30 feet in diameter. And every portion of this circle will be watered uniformly. Then, by giving the nozzle a half turn, you have a Sprinkler that waters only half a circle—just what you have always wanted for watering the space between the sidewalk and the house, or any other narrow strip of lawn or border. \$1.25 each.



C. B. C. Nothing to get out of order. Will last a lifetime. It is easily drawn about the lawn without shutting off the water. 50 cts. each.

Water Witch. An effective device for sprinkling lawns, gardens, or flower-beds. The water flows with unimpeded force, and is divided and deflected by the two lips of the swivel piece, which it causes to revolve rapidly, scattering the water in fine drops and evenly over a circular area of 25 to 40 feet in diameter. It works more satisfactorily with a very low pressure of water than any Sprinkler we know of. 75 cts. each.

Water Witch

**Adjustable-
RAIN DROP
SPRINKLER**

No puddles—no dry spots, but an even, gentle rain drop that soaks into the ground and keeps the lawn evergreen. \$1.75 each.

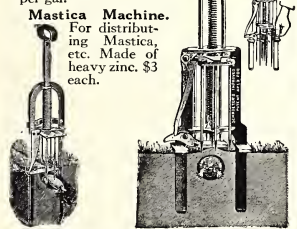
Leaf-Rack, Keystone. Can be used on any wheelbarrow with removable sides. Made of galvanized wire bolted to a wooden base. Convenient for gathering leaves, cut grass, and rubbish. Capacity 10 bus. \$8, not including wheelbarrow.



Leaf-Rack and Truck. Excellent for gathering leaves, litter, grass, etc. Rack can be attached to a water-barrel truck. **Leaf-Rack only,** no truck \$8 each.

Leaf-Rack and Truck. With 3½-inch tires (steel wheels) \$23 each.

Mastica. For glazing greenhouses. One gallon will cover about 300 running feet. \$2.50 per gal.



Reddick

Schroeter

Mole Traps, Reddick. \$1.25 each.

Schroeter. It has a rest on the top for a weight, also eight sharp prongs and a strong spiral spring. \$2.50 each.

Nails, Wall. For fastening climbing vines. Equipped with a soft metal clasp to hold the vine against the wall. 1-in., 45 cts. per doz., \$2.75 per 100; 1½-in., 60 cts. per doz., \$3.75 per 100; 2-in., 75 cts. per doz., \$4.50 per 100.

Paper, Celery. Rolls of 500 sq. ft. Prices on application.

Manilla. For wrapping. 24 x 36-in. ½ ream \$2.25; ream \$4.

Manilla Tissue. ½ ream \$1.15; ream \$2.

White Wax. 24 x 36-in. ½ ream \$1.75; ream \$3.25.

Green Wax. 24 x 36-in. ½ ream \$2; ream \$3.50.

Picks. With double point. \$1.50 each.

Plant Stands, Collapsible. Substantial, well-made Stands. 2-shelf, \$5.25; 3-shelf, \$6.25.

Pot Brackets. Iron. For one pot, 45 cts.; 2-arms, 60c.; single-arm, two pots, 75c.

Raffia. Tough, pliable grass for tying plants. Natural color, 25 cts. per lb.; dyed green, \$1 per lb.

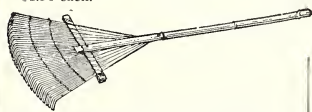
Raffia Tape. Very desirable for tying bouquets or for any other purpose where attractive tying is desired. Nile green, per spool (250 yds.) 90 cts.

Rakes

Reversible Steel. Suitable for lawn and garden. 24-tooth, 80 cts.; 36-tooth, \$1.50.

Automatic. A backward motion of the operator clears all the teeth at once. Wood, 26-tooth, \$1.50; 38-tooth, \$1.85; Galvanized, \$1.75.

Ames Wooden. 24-tooth, steel bows. \$1.50 each.



Japanese Broom. Made of split bamboo, rigidly secured with a suitable length handle. The finest Lawn Rake on the market. Cleans the refuse from a lawn, leaving it as free as though swept with a broom. \$1.25 each.

Old Olsen Lawn. Made of best hard wood; teeth set close together. 26-tooth, hickory wood. \$1 each.



Steel Garden. Made of best cast steel,

8-tooth.....	\$0 90	14-tooth.....	\$1 05
10-tooth....	95	16-tooth.....	1 10
12-tooth....	1 00		

Steel Gravel.

12-tooth....	\$1 10	16-tooth.....	\$1 30
14-tooth....	1 15	18-tooth.....	1 40

Steel-Bow. Preferred by many to the regular garden Rake, the teeth being slightly bent toward the operator.

12-tooth....	\$1 15	16-tooth.....	\$1 40
14-tooth....	1 25		

Rubbish Burners for leaves, paper and rubbish. The best receptacle used for burning leaves, papers, and all kinds of rubbish. This handy Burner is a safeguard against many fires that have their origin in the burning of rubbish in the open. The Burner is extra strong, manufactured of galvanized steel wire, reinforced with heavy wire supports. Made to give life-long satisfaction. We supply this Burner in two sizes. No. 1, \$6; No. 2, \$5.50.

Saws, Pruning. Single edge; best spring-steel. 16-in., \$1.60; 18-in., \$1.70; 20-in., \$1.80.

Double Edge, 18-in., \$1.75; 20-in., \$1.90.

Disston Carpenter, 26-in., \$3.50; 28-in., \$4.

Buck or Wood, \$1.50.

One-Man Crosscut, 3½-ft. blade, \$3.75.

Two-Man Crosscut, 5-ft. blade, \$5.75.

Saucers. See page 90.

Scissors. For flower gathering. Finest quality imported. Cuts and holds the flowers. \$2.50 each.

Grape. For thinning out bunches of grapes. \$1.50 each.

Scythe Stones, Darby Creek, 30 cts.; Talacre, 35 cts.

Scythe Handles. \$1.75.



Scythes, Grass and Lawn. Imported

English. Has a riveted back, broad, thin, light blade. Best Scythe for cutting grass, rye, oats, etc. 32-in., \$3; 34-in., \$3.25; 36-in., \$3.50.

Domestic. Solid back, 32-in., \$2.25; 34-in., \$2.50.

Brush or Briar, \$2.25.

Shears

Hedge, Finest English Steel.

Solid steel blade, crucible tool-steel, tempered to hold an edge. Give good service. Shears with notch are the best for cutting heavy stems of hedge plants. With Notch, 8-in. blade, \$3.25; 9-in. blade \$3.50; 10-in. blade, \$4.25.

American. 8-in., \$2.50; 9-in., \$2.75; 10-in., \$3.

Ladies. 6-in., \$1.75.

French Hand-pruning. Made

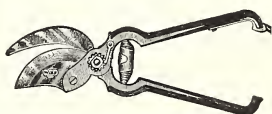
of good quality tool-steel; flat roller spring; works easily and cuts well; detachable blades; plain finish. Made in two sizes. 7-in., \$2.25; 8-in., \$2.50.

Hand-pruning, Wiss.

Finest quality crucible tool-steel; tempered to hold an edge; will not break. 10-in., \$4; 9-in., \$3.50.

Wiss No. 309. 9-in., \$2.50 each.

Wiss No. 209. 9-in., \$1.50 each.

English
Hedge

California. Crucible tool-steel blade; malleable handle; Japan finish. A very good Shear for grape-vines and shrubbery. \$1 each.

Ladies' Nickel-plated. Light, practical, handy to use on roses and shrubbery. 6-in., \$1.75 each.

Ladies' Light-weight Pruning Shears. Good quality steel. 6-in., \$1 each.



Grass, Genuine "True Vermonter." Finest quality steel. Hollow-ground blades. 5½-in., \$2.50 each.

Great American. 5½-in., full polished, \$1.50.

No. A2000. 5½-in., full polished, \$1.25.

No. A357. 5½-in., full polished, \$1.

No. A346. 5½-in., half polished, 75 cts.

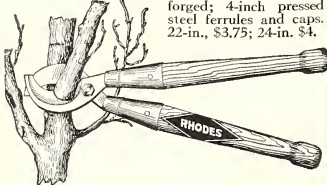
"Handy Andy" Pruning Shear. One of the latest and best hand pruners. Adapted to all kinds of work. Finely made from best material. \$2.25 each.



Border Shears, Imported. Made of the finest quality English steel. Without wheel, 8-in., \$5.50; 9-in., \$6. American. Without wheel, 9-in., \$3.75. With wheel, 9-in., \$4.50.

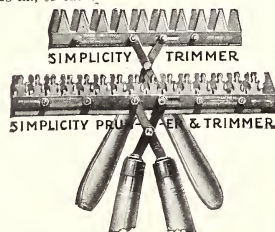
English Lopping Shear. Forged from the best quality steel. The jaws of this pruner open very wide without spreading the handles too far apart, slip onto limbs easily, and work into narrow places. 3½-in. jaw, \$6; 4-in. jaw, \$6.75.

Lopping Shears. Draw cut. Solid steel blade and lock. Hand forged; 4-inch pressed steel ferrules and caps. 22-in., \$3.75; 24-in. \$4.



Rhodes' Double-Cut Pruner

A good and powerful Pruner. Cuts from both sides of the limb, and does not bruise the bark. Long ferrules; handles do not pull out; blades are of the best forged steel. 28-in., \$5 each.



Simplicity Hedge Pruner and Hedge Trimmer

Cuts both opening and closing. Trimmer, \$4; pruner and trimmer, \$6.



Prices are for Pruner without rope or pole.
Hedge Trimmer, Little Wonder. A well-designed machine which entirely revolutionizes hedge-trimming. It actually cuts a hedge as fast as you walk, and in an hour will trim the top and two sides of a hedge 300 feet long; this is from five to ten times as fast as hand-work. The cutting blades are of tough steel, holding a sharp edge for a long while and trimming every variety of hedge grown. Use it for trimming, and not for "cutting back" a hedge, and it will last for years. 30-in. cut, \$22; 40-in. cut, \$25; 60-in. cut, \$30.



Tree Pruners, Waters. A tool that will give entire satisfaction. 6-ft., \$2.75; 8-ft., \$3; 10-ft., \$3.25; 12-ft., \$3.50.

Shovels

Long Handle
 Ames, Round Point.....\$2 50
 Portage City, Square Point..... 2 00

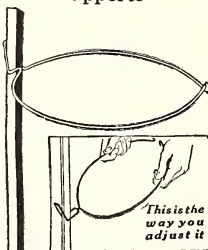
Short Handle
 Ames, Round Point..... 2 50
 Ames, Square Point..... 2 50
 Portage City, Round Point..... 2 25
 Portage City, Square Point..... 2 25

Spades, Steel
 Ames, Short Handle..... 2 50
 Portage City, Short Handle..... 2 00

Sieves. Any size mesh; galvanized wire; well made, 18-in., \$1.50; 20-in., \$1.60.

Seed Sower, Calhoun Improved Broadcast. This is the only Broadcast Seed Sower that has come to stay. It is well known as a practical and cheap broadcaster. Wheat, rye, oats, barley, hemp, timothy, millet and Hungarian grass are used in this Seeder. The operator can sow from four to eight acres an hour walking at an ordinary gait. The seed is scattered from 8 to 20 feet on each side of the operator, according to the kind of seed. The heavy seed, like wheat, is scattered the greatest distance. Packed weight, 8 lbs. Can be sent by parcel post. \$5.50 each.

Supports



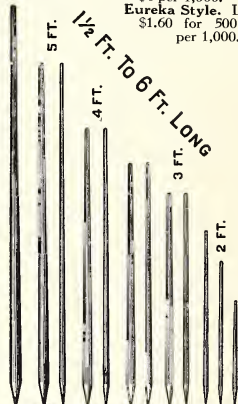
Tomato, or Peony Model. Made of heavy steel wire. They ensure more flowers and better fruit. 3½-cu. ea., \$3.50 per doz.
Adjusto Plant. A practical, low-priced Support. It can be adjusted to any height, and can be used year after year. Sizes: 18-in., \$1.75 per doz.; 3-ft., \$3 per doz.; 4-ft., \$3.50 per doz.; 5-ft., \$4 per doz.

Müller's Double 3-ring Carnation Support. Can be raised or lowered to suit plant. \$1.25 per doz.; \$6.75 per 100.
Carnation Model. Wire, 2-ring, \$1 per doz.; \$6.50 per 100; 3-ring, \$1.25 per doz.; \$7 per 100.

Stake Fasteners

These take the place of string entirely, lasting several seasons; used for fastening cross wires to galvanized stakes.

Everlasting Style. Heavy. \$2.25 for 500; \$4 per 1,000.
Eureka Style. Light. \$1.60 for 500; \$3 per 1,000.



Stakes

Bamboo Garden. 4 feet, diam. ¼ to ½-inch, \$4.25 per 100; 6 feet, diam. ½ to ¾-inch, \$8 per 100.

Bamboo, Dyed green. Doz. 100 1,000
 2½ feet.....\$0 25 \$1 25 \$7 00
 3½ feet..... 35 1 40 8 00
 3½ feet..... 35 1 75 9 00
 4 feet..... 40 2 00 10 00

Cane, Japanese. 5 to 6 feet, \$2.25 per 100; \$8 for 500; \$15 per 1,000.

Galvanized Wire.

No. 10 Wire, Light
 2 feet.....\$1 25 \$9 25
 2½ feet..... 1 60 11 50
 3 feet..... 2 00 13 75
 3½ feet..... 2 25 16 50
No. 8 Wire, Heavy
 4 feet..... 3 25 27 50
 4½ feet..... 3 50 32 50
 5 feet..... 3 75 35 00
 6 feet..... 4 75 40 00

Round, light, tapering, painted green.

Each Doz. 100
 1½ feet.....\$0 04 \$0 35 \$2 10
 2 feet..... 06 55 3 75
 2½ feet..... 07 75 5 00
 3 feet..... 10 1 00 7 50
 3½ feet..... 11 1 15 9 00
 4 feet..... 13 1 40 10 50
 5 feet..... 16 1 85 12 50

Square, tapering, painted green.

Each Doz. 100
 1½ feet.....\$0 04 \$0 35 \$2 10
 2 feet..... 05 55 3 25
 2½ feet..... 07 70 4 50
 3 feet..... 11 1 08 7 50
 3½ feet..... 12 1 15 8 50
 4 feet..... 15 1 40 9 75
 5 feet..... 20 2 00 14 00
 6 feet..... 25 2 50 16 50

Heavy Rose or Dahlia. Round, painted.

Each Doz. 100
 3 feet.....\$0 13 \$1 44 \$11 00
 3½ feet..... 15 1 66 13 00
 4 feet..... 17 1 92 15 00
 5 feet..... 22 2 00 19 00
 6 feet..... 27 3 10 23 00

Hyacinth.

Used for staking hyacinths, tulips, and slender plants; dyed green.

Doz. 100 1,000
 1 foot.....\$0 07 \$0 35 \$2 50
 1½ feet..... 10 45 3 50

Sprayers and Lawn Rollers

Auto Spray

This machine is one of the strongest and most simple in its parts. The pump is locked by means of sliding cam, which prevents wear, gives long service, and renders all parts instantly accessible. Reservoir holds 4 gallons, but should not be over two-thirds full of solution when ready for spraying. About two pumpings will empty the tank. It can be used in the garden for small trees and shrubs, or white-washing. Cylinders are made of both galvanized iron and brass, with locked seams.

Equipment

No. 1A. Brass tank with Stop

Cock, \$9.00

No. 1B. Brass Tank with

Auto Pop \$9.50.

No. 1D. Galvanized Tank with Stop

Cock, 6 00

No. 1D. Galvanized Tank with Auto

Pop, 6 50

Extension Pipes. Brass, 2-foot lengths, for

spraying tall shrubs and trees. 60 cts.

Copper Strainer. For straining lumpy

liquids. \$1.50.

Auto-Pop Nozzle Attachment.

Controls the flow instantly by a pressure of the hand. When Auto-Pop Attachment is purchased separately: Plain, \$2 each (by mail, \$2.10); complete, with hose, \$2.50 (by mail, \$2.60).

Auto Spray No. 50.

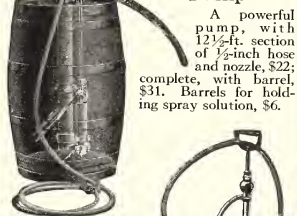
Lighter weight; smaller capacity. This sturdy little machine holds about two and one-half gallons. It is entirely suitable for spraying on a smaller scale, and is particularly recommended for use

where weight is a factor, as when women-folk or youngsters help out with the spraying.

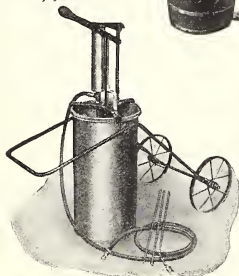
No. 50B, \$7 90

No. 50D, 5 40

Deming's Century Barrel Spray Pump



Deming's Bucket Pump, Perfect Success, with hose, nozzle and bucket fastener, \$8.25.



Paragon Spray No. 3

Equipped with a 12-gallon tank mounted on a truck, three 2½-foot extension pipes, 2 nozzles, and 10 feet of hose. \$25.

Brass Syringes. A101, Each \$3 75

A103, 6 00

A110, 10 50

Bellows, Woodason's Powder. Large

double cone, \$6.75; large single cone,

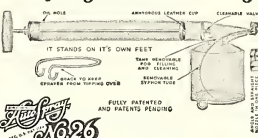
\$4.75; small single cone, \$3.25.

Gardener's Choice Spray Outfit

One of the most convenient spraying outfits for garden, greenhouse, and orchard use; also for live stock. Is a splendid white-washing outfit, as the pump is strong and durable and has a good agitator. Reservoir holds 25 gallons; pump has a brass cylinder with 6-foot hose and nozzle. Complete as in cut, \$47.50.



It Sprays Continuously



Hand Atomizer. Continuous spray. Two spray caps—one straight, the other at an angle for reaching under leaves. Will handle all solutions, insecticides, and disinfectants. Easily operated.

All Brass, 1-qt., \$1 50

All Tin, 1-qt., 1 00

Hand Atomizer, made of heavy tin. Single acting and capable of throwing a fine misty spray, 1-qt., 40 cts.; 1-pt. 50 cts.

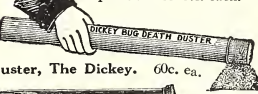
Rubber Sprinkler, Scollay No. 1. 10-oz.

capacity, \$1.50.

Sulphur, \$4 each.

Duster Brown. Ejects a volume of dust with surprising force forming a large well-defined cloud that envelopes every leaf and twig on the infested plant. You will find considerable use for the Duster Brown throughout the summer for rose bushes and other plants. \$1 each.

Hand Powder-Gun. For distributing dry powder. 35 cts. each.



Duster, The Dickey. 60c. ea.

Water-Ballast Lawn Rollers

Fill it with water, which will weight it up to any number of pounds desired, as shown below. Equipped with feature for balancing handles, which always keeps the handle in position ready for use; ball axle bearings.

No.	Sec-tions	Diam. in.	Length in.	Weight empty	Wgt. filled with water	Price
601	1	14	21	70	175	\$17 00
602	1	18	24	85	265	20 00
603	1	24	24	110	420	23 00
604	1	24	32	130	565	26 00

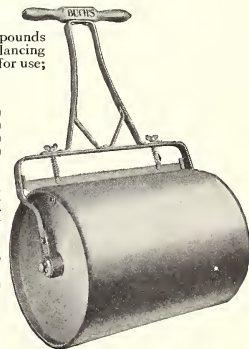
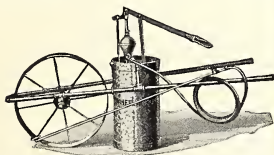
Hand Lawn Rollers

These Rollers are of neat finish, with beveled edges and a smooth surface; very strong and durable. A Roller weighing from 200 to 350 pounds can be readily handled by one man.

No.	Diam. in.	Length or width in.	No. of sections	Weight	Price
501	15	15	2	175	\$20 00
502	15	22	3	250	24 00
504	20	20	2	250	26 00
507	20	24	2	300	32 00
508	20	30	3	350	38 00
509	24	20	2	400	42 00
511	24	24	3	450	46 00
512	24	30	3	500	52 00

Deming's Wheelbarrow Sprayer

The machine for those who occasionally have to spray trees, chicken-houses, etc., and to whom it is essential that the spraying outfit be transportable. The Deming Sprayer is equipped with a 12-gallon tank, 10 feet of hose, 4-foot extension, and nozzle. With galvanized tank, \$31; with brass tank, \$40.



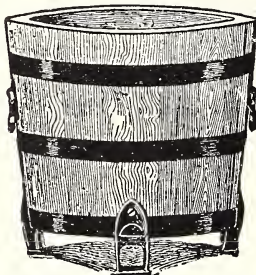
Flower Pots, Saucers, and Plant Tubs

Cedar Tubs

Equipped with Strong Iron Drop Handles and Feet

These are made by hand, of the very best white cedar, painted green, bound with black iron hoops.

No.	Inside diam.	Each
No. 0	2½ in.	\$11 50
No. 1	23½ in.	10 50
No. 2	21½ in.	9 50
No. 3	18½ in.	7 50
No. 4	16½ in.	6 50
No. 5	14½ in.	5 75
No. 6	12½ in.	5 00
No. 7	11½ in.	4 25
No. 8	10½ in.	3 75



Keystone Plant Tubs

Made of white cedar, painted green, and bound with strong electric welded wire hoops which do not rust. Handles are sold separately at 30 cts. per pair, not attached to tub.

No.	Inside diam.	Depth	Each
No. 5	10 in.	9 in.	\$0 95
No. 6	11 in.	10 in.	1 15
No. 7	12 in.	11 in.	1 30
No. 8	13 in.	12 in.	1 75
No. 9	14 in.	13 in.	1 85
No. 10	15 in.	14 in.	2 25
No. 11	16 in.	15 in.	2 35
No. 12	17 in.	16 in.	2 75
No. 13	18 in.	17 in.	3 25
No. 14	19 in.	18 in.	4 25



Standard Earthenware Flower Pots

Full inside measurement. Six at dozen rates; 50 at 100 rates; 500 at 1,000 rates. Earthenware Flower Pots, Bulb Pans, and Saucers cannot be sent by mail, but only by express or freight, at customer's expense.

Size	Each	Doz.	100	1,000
2 in.	\$0 02	\$0 18	\$1 02	\$9 56
2½ in.	02	18	1 16	10 84
3 in.	02	18	1 35	12 75
3½ in.	03	24	1 76	16 58
4 in.	04	36	2 70	25 50
4½ in.	06	49	3 65	34 43
5 in.	07	65	4 86	45 90
5½ in.	08	81	6 08	57 38
6 in.	09	98	7 29	68 85
6½ in.	13	30	9 72	91 80
7 in.	15	62	12 15	114 75
8 in.	22	24	17 55	165 75
9 in.	33	36	27 00	
10 in.	45	48	36 45	
11 in.	66	72	54 00	
12 in.	91	90	74 75	
14 in.	1 48	16	20 12	50

Earthenware Saucers

Size	Each	Doz.	100
4 in.	\$0 03	\$0 27	\$2 03
5 in.	04	36	2 70
6 in.	06	54	4 05
7 in.	07	72	5 40
8 in.	10	99	7 43
9 in.	14	135	10 13
10 in.	15	162	12 15
11 in.	22	234	17 85
12 in.	23	276	18 33
14 in.	37	405	30 38

Round Bulb or Lily Pans

Width	Each	Doz.	100
6 in.	\$0 09	\$0 98	\$7 29
7 in.	15	1 65	12 15
8 in.	22	2 34	17 55
9 in.	33	3 60	27 00
10 in.	45	4 86	36 45
12 in.	91	9 90	74 25
14 in.	1 48	16 20	121 50

Rubber Saucers

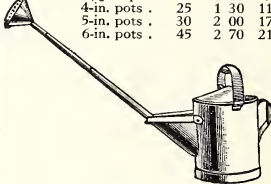
Durable and waterproof.	Each	Doz.	100
4½ in.	\$0 15	\$0 90	\$10 00
5½ in.	18	1 75	12 00
6½ in.	20	2 00	14 00
7½ in.	25	2 50	16 00
9½ in.	50	5 50	40 00
10½ in.	60	6 50	50 00
12½ in.	75	8 00	60 00

Wood Fiber Vases

No.	Each	100
No. 0	8 x 13 in.	\$1 60
No. 1	5½ x 9 in.	1 40
No. 2	4½ x 9 in.	25
No. 3	4 x 6 in.	1 10
No. 4	3 x 4½ in.	90
No. 11	5 x 18 in.	1 95
No. 22	4½ x 15 in.	1 75
No. 33	4 x 12 in.	1 60
No. 44	3 x 9 in.	1 25

Waterproof Paper Flower Pots

	Doz.	100	1,000
2½-inch pots	\$0 12	\$0 50	\$4 45
2½-inch pots	15	60	5 15
3-inch pots	18	80	7 00
3½-in. pots	20	1 00	9 15
4-in. pots	25	1 30	11 40
5-in. pots	30	2 00	17 75
6-in. pots	45	2 70	21 75



Watering Cans

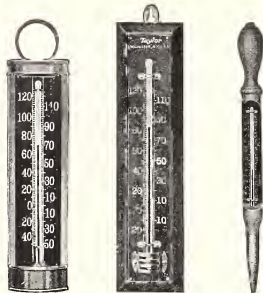
Wotherspoon's. Galvanized; extra heavy, with long spout and two roses—one coarse and one fine.

	Round	Oval
4-quart	\$4 70	
6-quart	5 00	\$5 50
8-quart	5 30	6 00
10-quart	6 00	6 50
12-quart	6 25	6 75
16-quart	7 00	7 50

Extra Roses or Sprays. For Wotherspoon Watering Can, either coarse or fine, 60 cts. each.

Light Galvanized Iron.

4-quart	100
6-quart	1 10
8-quart	1 25
10-quart	1 40
12-quart	1 60
16-quart	2 00
Window. Long spout. Rose, Blue, and Maroon. 2-quart, \$1.	



Thermometers

No. 5420. Black japanned heavy tin case. For greenhouses. Black oxidized brass scale, white figures. (Spirit.) 8-in., \$1.15; 10-in., \$1.35.

No. 5400. Copper case. 10-in., \$2.90.

No. 5381. Hotbed. Wood frame, 16 inches, with point. Brass oxidized scale, white figures and graduations. Best grade, \$2.75.

No. 5120. Distance reading. Wood back. Mission finish, brass scale, white figures and graduations. (Spirit.) 8-in., \$1.75.

No. 5452. Self-Registering. Copper case, black brass scale, white figures. Maximum and Minimum. \$6.25 each with Magnet.

No. 5140. Black scale with white figures and graduations. Wood backs. 8-in., 75 cts.

Asbestos Torch

Attach the Torch to the end of a pole; saturate with kerosene oil, light and hold under the caterpillars' nests, and pass quickly along the branches and around the trunk of the tree. The heat instantly destroys the insects and will in no way injure the trees. Without pole, 50 cts. each.

Trowels



The Kingsbury. All one piece of solid steel. 50 cts. each.

Johnson Steel. These have one-piece steel blade and shank, equal to the imported trowels.

5-inch.....\$0 70 | 7-inch.....\$0 80

6-inch.....75

Steel-Shank. Somewhat long in blade and

hand, making a very practical tool.

6-inch blade, 85 cts. each.



American Garden. Light weight; very serviceable. 6-inch, 30 cts. each.

Transplanting. Narrow steel blade; excellent for setting bulbs, transplanting, or weeding. 7-inch, 35 cts. each.

Transplanting. Very handy for transplanting cabbage, tomatoes, etc. Solid steel shank and blade. 75 cts. each.

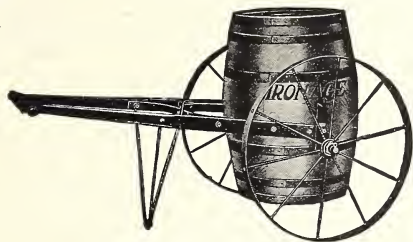
Twine, Jute. For tying plants and vines; soft and very strong. 2 and 3-ply, ball 25 cts.; lb., 40 cts. each.

Sea Island Cotton. Green. Ball, 15 cts.; lb., 85 cts.

Green Silkline. Very largely used for tying plants and stringing smilax, asparagus, etc. Spool, 35 cts.

Tar Twine. Ball, 35 cts.

White Cotton. Medium. Ball, 40c.; lb. 80c. Heavy, ball, 40 cts.; lb. 80 cts.

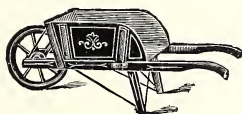


Water Barrel and Truck

The price below includes barrel and truck. The latter is constructed so that the barrel may be detached quickly and the leaf-rack attached. $3\frac{1}{2}$ -inch tire Truck, all-steel wheels, with barrel, \$24 each.

Extra barrels with trunnions, open head, \$6.50 each.

Truck with $3\frac{1}{2}$ -inch tire wheels, no rack or barrel, \$17.50 each.



Wheelbarrows

GARDEN, FARM AND GREENHOUSE

Strong, well-made. The frame is seasoned hardwood painted red. Back and legs put together by joint bolts.

No. 1. $2\frac{3}{4}$ -in. tire.....\$9 50

No. 2. $2\frac{3}{4}$ -in. tire.....8 50

No. 3. $2\frac{3}{4}$ -in. tire.....8 00

Special Greenhouse Style. Narrow body as also is the distance between the handles. \$11 each.

Boy's. This is a very neat, well-constructed wheelbarrow. \$6 each.

Wire, Galvanized.

No.	Roll (12-lb.)
18.....	\$2 00
19.....	2 25
20.....	2 40
22.....	2 50
22.....	2 60

Cut Bouquet. 12 inches.

No. 20. Per box (12 lbs.).....	\$2 25
No. 22. Per box (12 lbs.).....	2 50
No. 24. Per box (12 lbs.).....	3 00

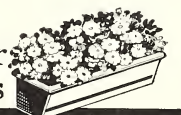
Wire Netting, No. 19. Galvanized, 2-inch mesh, 150 running feet per bale.

Width	Bale
12 in.....	\$1 75
18 in.....	2 50
24 in.....	3 25
30 in.....	4 00
36 in.....	4 50
42 in.....	5 00
48 in.....	5 75
60 in.....	7 00
72 in.....	8 50

No. 20. Galvanized, 1-inch mesh, 150 running feet per bale.

Width	Bale
12 in.....	\$3 50
18 in.....	5 00
24 in.....	6 50
30 in.....	7 50
36 in.....	8 50
42 in.....	9 75
48 in.....	10 25
60 in.....	12 00
72 in.....	15 60

Flower Boxes



Window-Boxes, Savo Self-Watering and Subirrigating. 8 inches in height and $9\frac{1}{2}$ inches in width. Strongly made of galvanized steel, with neat round corners and full roll rim. The green enamel finish, both inside and out, prevents rust or leakage.

Model A. 23 in. long.....\$3 25

Model B. 29 in. long.....4 00

Model C. 35 in. long.....4 50

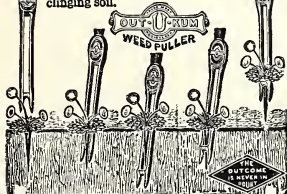
Model D. 41 in. long.....5 00

THE "OUT-U-KUM" WEED PULLER

An Entirely New Principle

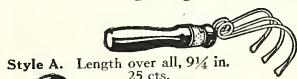
A slight Push and Pull thoroughly loosens the surrounding soil and removes not only the weed, but the entire root.

When pushed into the ground, the two points guide the BRIDGE down alongside the weed, loosening the soil from that side. It then crosses under the root disengaging the latter. As the tool is withdrawn the BRIDGE slips up the opposite side of the weed, loosening the ground from that side and engages the head of the weed above the ground. The now thoroughly loosened weed is readily withdrawn in its entirety with little or no clinging soil.



Price of the Out-U-Kum Weed Puller
\$1 each

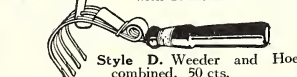
Spring-Tooth Magic Weeder Hoers



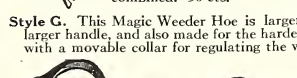
Style A. Length over all, $9\frac{1}{2}$ in. 25 cts.



Style B. Same as A but with 18-in. handle. 35c.



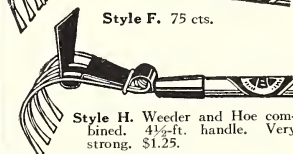
Style D. Weeder and Hoe combined. 50 cts.



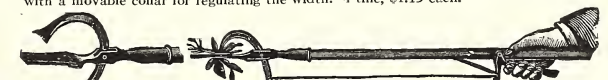
Style C. This Magic Weeder Hoe is larger and stronger than Style F, heavier steel and larger handle, and also made for the hardest possible service. This size is also provided with a movable collar for regulating the width. 4 tin, \$1.15 each.



Style F. 75 cts.



Style H. Weeder and Hoe combined. $4\frac{1}{2}$ -ft. handle. Very strong. \$1.25.



Cleveland Lawn Weeder

Removes the root bodily. Is simple to operate. The curved edge of the blade enters and loosens the soil, pressure on the lever then causes the toothed jaw to grasp the plant, and a slight pull suffices to dislodge it without disturbing the surrounding sod. \$1.50 each.

Hazeltine Weeder

A very handy tool for weeding between narrow rows. 35 cts. each.



Standard Gardening Books

For those who seek practical, worth-while advice



A WOMAN'S HARDY GARDEN. Mrs. Ely. A very popular and helpful book for the amateur, beautifully illustrated. \$2.15.

ASPARAGUS. Hexamer. Gives all details. \$1.

A LITTLE BOOK OF ANNUALS. A reliable guide through the season of annual bloom. Cloth cover \$1.75.

A LITTLE BOOK OF PERENNIALS. Devoted to the general principles of growing, using, selecting, and propagating perennials. Cloth cover \$1.75.

BULB BOOK. Tells how to handle to ensure best success. 25 cts.

CLIMBING PLANTS. Written to answer most of the questions about suitable climbing plants and ground-covers for various purposes. Cloth cover \$2.

FERTILIZER. Voorhes. How to make and use. \$2.75.

GARDEN GUIDE (The Amateur Gardeners' Handbook). Direct, simple, and reliable information on vegetable, fruit and flower-gardening, planning the home grounds, care of lawns, pruning directions, trees, shrubs, and climbers, bulbs, the rock-garden, how to propagate plants, etc. Paper cover \$1; cloth cover \$1.50.

GREENHOUSE MANAGEMENT. Taft. A reliable guide on this important branch of horticulture. \$2.45.

1001 GARDEN QUESTIONS ANSWERED. Prof. Alfred C. Hottes. *Do you know—Why peonies do not bloom? Why evergreens fail? Why house plants are leggy? Why cut-flowers do not keep? Why young fruit trees do not bear?* This information and other garden facts will be found in this book. Cloth cover, \$2.15.

HOME FRUIT GROWER. For the amateur who seeks to grow high-quality fruits. Cloth cover \$1.65.

MILADY'S HOUSE PLANTS. Tells how to care for Palms, Ferns, Rubber Plants, Fuchsias, Jerusalem Cherries, and scores of other popular house plants, together with advice about the best plants to grow indoors. Cloth cover \$1.

MUSHROOM CULTURE. Duggar. Mushroom culture by up-to-date methods. \$2.15.

PAGES FROM A GARDEN NOTE BOOK. Mrs. Francis King. Instructive, practical book on gardening. Illustrated, \$3.20.

PERENNIALS, THE CULTURE OF. Cloud. \$2.60.

ROSES, HOW TO GROW. Latest revised edition of this helpful, interesting book for the rose-lover. \$2.

VEGETABLE GARDENING. Watts. Complete treatise on this subject. \$2.70.

Reference Table

	Lbs. to bus.	Quantity per acre
Asparagus, 1 oz. to 50 feet of drill	4 to 5 lbs.	4 to 5 lbs.
Asparagus Roots	7,250	1 bus.
Barley, broadcast	48 lbs.	2 bus.
Beans, Dwarf, 1 lb. to 100 feet	60 lbs.	1 bus.
Beans, Pole, 2 lbs. to 100 hills	60 lbs.	1½ bus.
Beans, Soja, drilled	60 lbs.	40 lbs.
Beans, Soja, broadcast	60 to 75 lbs.	60 to 75 lbs.
Beets, Garden, 1 oz. to 50 feet	5 to 6 lbs.	5 to 6 lbs.
Beet, Mangel, 1 oz. to 50 feet	6 lbs.	6 lbs.
Broom Corn	46 lbs.	10 lbs.
Buckwheat, broadcast	48 lbs.	1 bus.
Cane Seed, for fodder	50 lbs.	75 lbs.
Carrot, 1 oz. to 100 feet of drill	3 to 4 lbs.	3 to 4 lbs.
Clover, Alsike and White	60 lbs.	8 lbs.
Clover, Alfalfa or Lucerne	60 lbs.	20 to 25 lbs.
Clover, Crimson or Scarlet	60 lbs.	20 lbs.
Clover, Mammoth Red, Medium Red	60 lbs.	12 lbs.
Corn, Field, shelled, in hills	56 lbs.	8 qts.
Corn, Field, on the ear	70 lbs.	8 qts.
Corn, for fodder or silage	56 lbs.	2 bus.
Corn, Sweet, sold by measured bushel, 1 lb. to 100 hills	10 lbs.	10 lbs.
Corn, Rice Pop, shelled	4 lbs.	4 lbs.
Corn Salad, 3 ozs. to 100 feet	6 lbs.	6 lbs.
Cowpeas, in drills	1 bus.	1 bus.
Cowpeas, broadcast	2 bus.	2 bus.
Cress, 1 oz. to 100 feet of drill	12 lbs.	12 lbs.
Cucumber, 1 oz. to 50 hills	2 lbs.	2 lbs.
Dill, ½ oz. to 100 feet of drill	5 lbs.	5 lbs.
Endive, 1 oz. to 100 feet	5 lbs.	5 lbs.
Flaxseed, broadcast	56 lbs.	1½ bus.
Grass, Kentucky Blue	14 lbs.	60 lbs.
Grass, Canadian Blue	14 lbs.	60 lbs.
Grass, Lawn	20 lbs.	80 to 100 lbs.
Grass, Red Top, fancy reseeded	32 lbs.	25 lbs.
Grass, Timothy	45 lbs.	1½ bus.
Grass, Orchard	14 lbs.	2 to 3 bus.
Grasses, Perennial Rye, Italian Rye, Wood Meadow	50 to 60 lbs.	50 to 60 lbs.
Grass, Creeping Bent	60 lbs.	60 lbs.
Horse-Radish Roots	10,000-15,000	10,000-15,000
Kale, 1 oz. to 100 feet of drill	5 lbs.	5 lbs.
Kohlrabi, 1 oz. to 100 feet	4 lbs.	4 lbs.
Leek, 1 oz. to 100 feet of drill	4 lbs.	4 lbs.
Lettuce, 1 oz. to 100 feet of drill	3 lbs.	3 lbs.
Melon, Musk, 2 ozs. to 100 hills	2 to 3 lbs.	2 to 3 lbs.

	Lbs. to bus.	Quantity per acre
Melon, Water, 4 ozs. to 100 hills	4 to 5 lbs.	4 to 5 lbs.
Millet, Golden	50 lbs.	1 bus.
Millet, Hungarian	48 lbs.	1 bus.
Mustard, 1 oz. to 75 feet of drill	30 lbs.	30 lbs.
Nasturtium, 4 ozs. to 100 feet	15 lbs.	15 lbs.
Okra, 2 ozs. to 100 feet of drill	8 lbs.	8 lbs.
Oats, broadcast	32 lbs.	3 bus.
Onion Seed, 1 oz. to 100 feet of drill	5 to 6 lbs.	5 to 6 lbs.
Onion Seed, for sets	50 lbs.	50 lbs.
Onion Seed, 1 lb. to 100 feet of drill	32 lbs.	8 bus.
Parsnip, 1 oz. to 100 feet of drill	5 to 6 lbs.	5 to 6 lbs.
Parsley, 1 oz. to 100 feet of drill	5 to 6 lbs.	5 to 6 lbs.
Peas, Garden, Smooth, 2 lbs. to 100 feet of drill	60 lbs.	1½ bus.
Peas, Garden, Wrinkled, 2 lbs. to 100 feet of drill	56 lbs.	2 bus.
Peas, Field or Canada, broadcast	60 lbs.	1½ to 2 bus.
Potatoes, cut tubers, in drills	60 lbs.	10 bus.
Pumpkin, 4 ozs. to 100 hills	4 lbs.	4 lbs.
Radish, 1 oz. to 100 feet of drill	10 lbs.	10 lbs.
Rape, broadcast	50 lbs.	10 lbs.
Rye, broadcast	56 lbs.	1½ bus.
Sage, in drills	8 lbs.	8 lbs.
Salsify, 1 oz. to 50 feet of drill	3 lbs.	3 lbs.
Sorghum	50 lbs.	12 lbs.
Spinach, in drills, 1 oz. to 100 feet	40 lbs.	12 lbs.
Sunflower	25 lbs.	8 lbs.
Squash, Bush, 1 oz. to 25 hills	4 to 6 lbs.	4 to 6 lbs.
Squash, Running Varieties	3 to 4 lbs.	3 to 4 lbs.
Turnip, 1 oz. to 100 feet of drill	2 lbs.	2 lbs.
Turnip, broadcast	2½ lbs.	2½ lbs.
Vetches	60 lbs.	1 bus.
Wheat, broadcast	60 lbs.	1½ to 2 bus.
Wheat, in drills	60 lbs.	1 bus.

Number of Plants to the Acre

Distance Apart	No. of Plants	Distance Apart	No. of Plants
1 by 1 foot	43,560	6 by 6 feet	1,210
1½ by 1½ feet	19,360	8 by 8 feet	680
2 by 2 feet	10,890	10 by 10 feet	484
2½ by 2½ feet	6,969	12 by 12 feet	302
3 by 2 feet	7,260	15 by 15 feet	193
3 by 3 feet	4,840	16 by 16 feet	134
4 by 4 feet	2,722	20 by 20 feet	109
5 by 5 feet	2,178	25 by 25 feet	70
5 by 5 feet	1,742	30 by 30 feet	48

Mulford Cultures

FOR LEGUMES

For small seeds, Alfalfa, Clovers, etc.

10-bus. size, \$2.00 1-bus. size, \$1.00

2½-bus. size, 2.25 ½-bus. size, .60

For large seeds, Soy Beans, Cowpeas, etc.

20-bus. size, \$2.00 1-bus. size, \$1.00

5-bus. size, 2.25 1-bus. size, .60

Garden size (composite culture for Garden Beans, Garden Peas, Lima Beans, and Sweet Peas), 35 cts.

Mulford Cultures contain pure, tested strains of active, vigorous nitrogen-fixing bacteria, for inoculating seeds of legumes or soil.

Mulford Cultures are scientifically prepared and tested with the utmost care and skill. Enormous numbers of these very valuable and desirable bacteria are thus available to you in every package of Mulford Culture and may readily be applied to your seed. The sealed bottle insures purity.

Legumes offer the best known means of maintaining soil fertility and rejuvenating over-cropped and worn-out fields. They add both humus and nitrogen to your soil and thus increase your yield of wheat, cotton, corn and other non-legume crops. Always specify on your order what crop you want to inoculate, as there is a different strain of bacteria for each legume.

ALFALFA	RED CLOVER	SOY BEANS	GARDEN PEAS
CRIMSON CLOVER	ALSIKE CLOVER	VETCH	GARDEN BEANS
SWEET CLOVER	COWPEAS	SWEET PEAS	LIMA BEANS

and others

Fertilizers for the Farm, Lawn, Garden, and Greenhouse

Prices on Fertilizers subject to change without notice

Adco. The addition of Adco to vegetable refuse, grass clippings, leaves, cornstalks, etc., will produce a clean, odorless manure. 25 lbs. \$2; 150 lbs. \$10.50.

Ashes, Hardwood. Apply 1,000 pounds per acre. Indispensable for crops requiring potash, excellent for mixing with potting soil. For top dressing lawns and grass fields it is applied to best advantage either in early spring or late fall. 25 lbs. \$1; 50 lbs. \$1.75; 100 lbs. \$3; 200 lbs. bbl. \$5; 1,000 lbs. \$22.50; ton \$40.

Blood, Dried. For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. One of the quickest acting fertilizers. 5 lbs. 60 cts.; 10 lbs. \$1; 25 lbs. \$2; 50 lbs. \$3.50; 100 lbs. \$6; 200 lbs. \$10.

Bone Flour. Ground perfectly fine. An excellent fertilizer for pot plants or beds where an immediate effect is wanted. 5 lbs. 50 cts.; 10 lbs. 85 cts.; 25 lbs. \$1.50; 50 lbs. \$2.75; 100 lbs. \$5; 200 lbs. \$8.50; 1,000 lbs. \$37.50.

Bone-Meal. We recommend this especially for lawns, gardens, and greenhouses, or any purpose where a high-class fertilizer counts. Apply 800 to 1,000 pounds per acre. 3 lbs. 25 cts.; 5 lbs. 35 cts.; 10 lbs. 60 cts.; 25 lbs. \$1.40; 50 lbs. \$2.25; 100 lbs. \$4; 200 lbs. \$7.50; ½ ton \$32.50; ton \$60.

Carnation Food (Springfield). Invigorates root action, strengthens stem and calyx, intensifies the color, adds lasting qualities to the blooms, and insures a larger and more perfect crop. 25 lbs. \$1.75; 50 lbs. \$3; 100 lbs. \$5.

Compost, Shredded. For garden, lawn, and greenhouse, and especially good to mix with compost. 5 lbs. 45 cts.; 10 lbs. 70 cts.; 25 lbs. \$1.40; 50 lbs. \$2; 100 lbs. \$3.75; 500 lbs. \$18; 1,000 lbs. \$33; ton \$60.

Chrysanthemum Manure (Thomson's Special). Entirely soluble and very powerful. Especially suitable for top-dressing chrysanthemums and similar plants. To be used as an additional stimulant during the growing season. 28-lb. bag \$4; 56-lb. bag \$7.

Clay's Fertilizer. An English chemical fertilizer for forcing greenhouse plants and vegetables. It can be used in either dry or liquid form. 28-lb. bag \$3.75; 56-lb. bag \$6.25; 112-lb. bag \$12.

Corn and Oats Fertilizer. This contains the necessary ingredients for increasing the yield of corn and oats. Sack of 200 lbs. \$5.50; 1,000 lbs. \$25; ton \$45.

Ferbo. A tobacco leaf fertilizer. Does not have an ounce of waste. It is a humus, a plant-food, and an insecticide combined. It produces stronger stems and richer foliage and protects the plant while growing. 100 lbs. \$3.75; 200 lbs. \$7.25; 500 lbs. \$17.

General Crop Grower. This is a combination brand of fertilizer containing 1 per cent ammonia, 8 per cent phosphoric acid, and 1 per cent potash. Sack of 200 lbs. \$4.50; 1,000 lbs. \$20; ton \$36.

Horn Shavings. Used principally for mixing in potting soil. Is rich in ammonia; especially valuable in chrysanthemum growing. 5 lbs. 65 cts.; 10 lbs. \$1.10; 25 lbs. \$2; 50 lbs. \$3.75; 100 lbs. \$7.

Humus, Alphan Prepared. An excellent article to incorporate with poor soil in the garden, greenhouse, or in potting plants. When used in garden work, the ground should be covered with ½ to 2 inches of Humus and spaded in. 5 lbs. 35 cts.; 10 lbs. 60 cts.; 25 lbs. 90 cts.; 100 lbs. \$2.25; 500 lbs. \$10; 1,000 lbs. \$15.

Land Plaster. Apply about 1,000 to 1,500 pounds per acre for a top dressing on sour and worn-out soils; also for mixing with Paris green. 100 lbs. \$2; 200 lbs. \$3.75; ½ ton \$16; ton \$30.

Lime, Hydrated or Powdered. Promotes growth and gives the plants a rich color. Apply 1 ton per acre on fields or ½ ton on lawns. 100 lbs. 45 cts.; 100 lbs. sack \$2; 500 lbs. \$9; 1,000 lbs. \$16; ton \$27.

Nitrate of Soda. Apply 200 to 300 pounds per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form, dilute 2 ounces to 1 gallon of water and do not apply oftener than twice a week. 1b. 15 cts.; 5 lbs. 45 cts.; 10 lbs. 85 cts.; 25 lbs. \$1.50; 50 lbs. \$2.50; 100 lbs. \$4.50.

Salt. Used as a top dressing for asparagus beds. Should be applied early in the spring at the rate of 800 to 1,000 pounds per acre. 100 lbs. \$2; 200 lbs. \$3.25; ½ ton \$13; ton \$25.

Sheep Manure. Apply 1,000 pounds per acre. One of the most extensively used of animal manures. The analysis shows it to be a perfectly balanced plant-food. For garden, lawn, or greenhouse use, nothing surpasses sheep manure. It is clean and easily handled, besides giving immediate results. 2 lbs. 25 cts.; 5 lbs. 45 cts.; 10 lbs. 70 cts.; 25 lbs. \$1.25; 50 lbs. \$2; 100 lbs. \$3.75; 500 lbs. \$18; 1,000 lbs. \$33; ton \$60.

Soot, Imported Scotch. This is used principally for bringing a good healthy color into the foliage of chrysanthemums and other greenhouse plants. Also destroys insects and grubs that work on top of an underneath the surface. 5 lbs. 75 cts.; 10 lbs. \$1.25; 25 lbs. \$2; 100 lbs. \$5.

Springfield Rose Food. An organic fertilizer containing the vital elements of plant life in scientifically correct proportions to make it an ideal food for Roses. Will keep your bushes in splendid condition and produce an abundant crop of perfect blooms. Enthusiastically acclaimed by leading commercial growers and by members of the American Rose Society in all sections of the country. 10 lbs. \$1; 25 lbs. \$2; 100 lbs. \$5.

Stadler's Superior Plant Food. This is odorless, soluble in water, and immediately available to plant-growth. 3-oz. can 25 cts.; 7-oz. can 50 cts.; 16-oz. can \$1.

Stim-U-Plant. A plant-food in tablet form; contains highly concentrated, immediately available forms of plant-food for use in stimulating all fruit, flower, vegetable, and ornamental plants, and can be used in tablet or in liquid form. Pkg. (30 tablets) 25 cts.; 100 tablets 75 cts.; 1,000 tablets \$3.50.

Tankage. This is usually applied to plants, such as roses, etc., under glass. 100 lbs. \$3.75; 200 lbs. \$6.75.

Thomson's Special Flower, Vegetable, and Vine Manure. Imported from England, this excellent chemical fertilizer is a reliable food and stimulant for every fruit-bearing plant, also foliage and flowering plants and vegetables of all descriptions. So compounded as to combine stimulating with lasting effects. 28-lb. bag \$3.75; 56 lbs. \$6.25; 112 lbs. \$12.

Tobacco Stems. For fumigating, mulching, and fertilizing; an excellent top dressing for lawns in winter. In bales, 2 cts. per lb.; ½ ton \$15; ton \$27.50.

Truckers' Favorite. A high-grade fertilizer for vegetables. 200 lbs. \$6.50; ½ ton \$30; ton \$55.

Insecticides, etc.

Prices subject to change without notice. Directions for using any of the following will be found on each package

Ant Destroyer (McGregor's). An effective exterminator of ants, roaches, etc. ½ lb. 50 cts.; lb. \$1; 5 lbs. \$4.75; 10 lbs. \$9; 25 lbs. \$20; 100 lbs. \$36.

Aphis. The recognized standard insecticide. Not a cure-all, but a specific remedy for all sap-sucking insects infesting plant life, such as green, black, or white fly, thrips, red spider, mealy bug, and soft scales. Pt. 70 cts.; qt. \$1.15; gal. \$3.25.

Aphis Punk. A nicotine paper for fumigating. Pkg. (12 sheets) \$1; case (12 pkgs.) \$9.50.

Arise of Water. May be used dry like Paris Green. 1b. 50 cts.; 5 lbs. \$2.25; 10 lbs. \$4; 25 lbs. \$8; 50 lbs. \$15; 100 lbs. \$27.

Aphistrogen. See page 94.

Beetle Spr. For destroying the Japanese beetle, rose-bugs, and other insects. Pt. \$1; qt. \$1.75; ½ gal. \$3; gal. \$5; 5 gals. \$20; 10 gals. \$35.

Black Fly. A concentrated solution of nicotine for spraying. 1-oz. bottle 35 cts.; ½ lb. \$1.25; 2 lb. \$3.50; 10 lb. \$13.50.

Bordo-Lead (Bordeaux and Arsenate of Lead). (Paste.) A combined fungicide and insecticide for fruit trees, potatoes, melons, cucumbers, etc.; also for mildew, black-spot, etc., on roses. 1b. 40 cts.; 5 lbs. \$1.75; 10 lbs. \$3.

Bordeaux Mixture. (Dry.) For dusting plants affected with mildew and diseases. Can be used as a spray. 1-lb. box 40 cts. (makes 5 gallons spray); 5 lbs. \$1.75.

Bug Death. Used instead of Paris Green for eating insects on potatoes, cucumbers, squash and currants, etc. 1b. 18 cts.; 3 lbs. 45 cts.; 5 lbs. 75 cts.; 12 ½ lbs. \$1.50.

Calcium Cyanide. A valuable insecticide for greenhouse fumigation, for destroying aphid, white fly, soft scale, thrips, etc. Also highly effective for exterminating moths, grubs, squirrels, field-mice, ants, etc., from the garden. 1 lb. 50 cts.; 5 lbs. \$2.50.

Coated Lead Arsenate. A wonderful invention perfected in the fight against the Japanese Beetle. Sticks to fruit and foliage indefinitely and is so palatable to the beetle that the result is a high percentage of killing. 2 ½ lbs. \$1.10; 10 lbs. \$3.25.

Copper Solution. (Liquid.) For fungus, mildew, leaf-blight, rust, etc. 1-lb. sack 10 cts.; 5 lbs. \$4.

Dy-sect. A concentrated, contact insecticide that kills ear beetle, mealy bug, red spider, aphid, and most plant pests. Dy-sect is diluted 150 to 1 for saturating the soil to kill insect larvae, and at least 30 to 1 for spraying. 4-oz. sample can 30 cts.; pt. can \$1; qt. can \$1.75; ½ gal. can \$3.25; gal. can \$6.

Ferogen. See page 94.

Ferogen. An excellent summer spray, when something stronger cannot be used, where San José Scale exists. 1b. 25 cts.; 5 lbs. \$1; 10 lbs. \$2; 25 lbs. \$4; 100 lbs. \$10.50.

Fish-Oil Soap (Good's Caustic Soft Soap). 2 lbs. 50 cts.; 5 lbs. \$1.10; 25 lbs. \$3.75.

Fungine. Destroys mildew, rust, and other fungi. Qt. \$1; gal. \$3.

Fungitrogen. See page 94.

Grape Rot. For the prevention of mildew on roses, grapes, gooseberries, etc. 5-lb. pkg. \$1; 10 lbs. \$1.85.

Hellebore. For destroying slugs, worms, caterpillars, etc. ½ lb. 35 cts.; 1b. 60 cts.; 5 lbs. \$2.75.

Insectrogen. See page 94.

INSECTICIDES, ETC., continued

Kerosene Emulsion. (Liquid.) For cabbage worm, scale on trees, caterpillars, mealy bugs, rose bugs, green fly, and lice of all kinds. Pt. 50 cts.; qt. 85 cts.; gal. \$2.25.

Lemon Oil Co.'s Standard Insecticide. Destroys mealy bugs, scale, thrips, red spider, black and green fly, etc. 1/2 pt. 35 cts.; pt. 60 cts.; qt. \$1; 1/2 gal. \$1.75; gal. \$3; 5 gals. \$12.

Line-Sulphur. For scale insects on trees and shrubs, and such fungous diseases as can be treated in winter or early spring. Qt. 45 cts.; 1/2 gal. 75 cts.; gal. \$1.15; 5 gals. \$4; 1/2 bbl. (30 gals.) \$10.50; 50-gal. bbl. \$15.

Line-Sulphur. (Dry Powder Form.) Lb. 35 cts.; 5 lbs. \$1.40; 10 lbs. \$2.25; 25 lbs. \$4.75; 50 lbs. \$7.75; 100 lbs. \$15.

Mag-O-Tite. Protects crops against the ravages of the root maggot and other garden pests; also eradicates earth worms from lawns and putting greens. Not injurious in any way to plant life. 1-lb. tin 50 cts.; 5-lb. tin \$1.50; 25-lb. tin \$5.

Melrosine. Excellent against rose bugs and other pests; will not discolor flower or foliage. Pt. \$1; qt. \$1.75; 1/2 gal. \$3.25; gal. \$6. **Nico-Fume.** (Liquid.) For use as a spray or vapor, for controlling green fly, aphids, etc., in greenhouses and outdoors. 1/4 lb. 85 cts.; lb. \$2.50; 4 lbs. \$8.50; 8 lbs. \$16.

Nico-Fume Paper. For fumigating greenhouses; gives off dense fumes charged with nicotine. Box (24 sheets) \$1.50; 144 sheets \$5.75; 288 sheets \$10.50.

Nico-Fume Tobacco Powder. A tobacco powder highly charged with nicotine; splendid for fumigating greenhouses. Lb. can \$15; 5-lb. tin \$18.59.

Paradichlorobenzene. For peach-tree borers. Lb. can 65 cts.; 5-lb. can \$2.75; 10-lb. can \$5; 25-lb. keg \$12.

Paris Green. 1/4 lb. 15c.; 1/2 lb. 30c.; 1 lb. 55c.; 5 lbs. \$2.50; 14 lbs. \$5.

Pyrox. The best and safest all-round spray which kills all leaf-eating insects and prevents blights and all fungus troubles, without injury, on fruit trees, grapevines, currant bushes, potatoes, cantaloupes, cucumbers, and other garden vegetables, also on rose bushes, shrubbery, etc. It is a creamy paste which looks like paint and "sticks like paint." It needs only to be mixed with cold water and it is ready to apply. Lb. 50 cts.; 5 lbs. \$2; 10 lbs. \$3.50; 25 lbs. \$7; 50 lbs. \$12.50; 100 lbs. \$21; 300 lbs. \$58.50.

Rat Corn. A very effective rat poison. Cans 25 and 50 cts. each. **Scale Destroyer, Target Brand.** Qt. 60 cts.; gal. \$1.50.

Scalecide. Used for the destruction of San José scale. Spray during the winter or early spring when the trees are dormant. Qt. 75c.; gal. \$1.75; 5 gals. \$8.75; 10 gals. \$11; 30 gals. \$26; 50 gals. \$39.50.

Soap Spray. Imp. The base of this spray is a soap containing vegetable poisons and particularly effective against red spider on fruit, the rhododendron fly, and all insects affecting the rose. Pt. 65 cts.; qt. \$1; gal. \$3.

Slug Shot, Hammond's. One of the cheapest and best powders for destroying insects. 1-lb. canister 18 cts.; 5 lbs. 60 cts.; 10 lbs. \$1.20; 25 lbs. \$2.75.

Sulphur, Powdered. For mildew. Lb. 10 cts.; 5 lbs. 45 cts.; 10 lbs. 85 cts.; 25 lbs. \$2; 100 lbs. \$7.50.

Sunoco Spray Oil. For the control of aphids, psylla, red spider, scale, etc. Gal. \$1.50; 5 gals. \$5.75.

Tergen. Early Spring Ground Dressing. Destroys the spores of fungi of diseases. Kills the larvae of insects, such as rose-pith borer, rose bugs, Japanese beetles, aphids and ants. A valuable fertilizer. 1-lb. tins \$7.75; 2-lb. tins \$12.25; 5-lb. tins \$27.50; 10-lb. tins \$47.50; 25-lb. drums \$11; 100-lb. drums \$40.

NOTE.—A 10-lb. tin is sufficient for one application for 30 to 50 rose bushes.



Thrip Juice, Hammond's. This preparation is very effective against aphids, red spider, mealy bugs, and sucking insects generally. Pt. 85 cts.; qt. \$1.40.

Tobacco Dust, Stothoff's. For burning or dusting; state which is wanted. Lb. 10 cts.; 5 lbs. 45 cts.; 10 lbs. 85 cts.; 25 lbs. \$1.75; 50 lbs. \$3.25; 100 lbs. \$6.

Tree Paint. Qt. 85 cts.; gal. \$2.50.

Tree Tanglefoot. A sticky substance applied directly to the bark to protect trees against climbing insect pests. One application remains sticky, fully exposed to weather, three months. One pound will make a band 7 to 8 feet long. Lb. can 50 cts.; 5 lbs. \$2.40. **Vermine.** A soil-sterilizer and germicide. Destroys cel, cut, wire, and grub worms, maggots, root-lice and ants. Used one part to 400 parts water, it does not injure plants, but protects your crops against rust ravages under the soil. Qt. \$1; gal. \$3.25.

Volck is one of the most powerful insecticides known. It is effective on practically all insects on ornamental and flowering plants. Wonderful results have been obtained against red spiders, cyclamen mite, aphids (green fly), scale, mealy bug, thrips, and caterpillars. Many diseases which could not be controlled before are now killed with Volck. Even mildews and rusts are prevented and stopped by Volck. Not only does Volck give effective control of pests, but it also prevents reinfestation for a considerable period. Volck is odorless, colorless and non-poisonous. There is no unsightly residue. Plants are deep glistening green after using Volck.

Volck does not burn. The most tender foliage is safe where Volck is used. Coleus, cyclamen, evergreens, ferns, orchids and many other types of plants can be sprayed with safety. Volck is the most effective remedy known for red spider on indoor vegetables. It is used because it is safe and sure. Two and one-half tablespoons of Volck will make 1 gallon of dilute spray. Pt. 70 cts.; qt. \$1; gal. \$3; 5 gals. \$12; 14-gal. drum \$25.

Weed-Killer. For the destruction of weeds and grass on roadways, paths, gutters and places where no growth is wanted. One gallon diluted makes 40 gallons treating liquid, enough to cover an area of 500 to 1,000 square feet. Qt. 55 cts.; gal. \$1.75; 5 gals. \$6.75; 30 gals. \$33; 50-gal. bbl. \$50.

Whiz. Japanese Beetle Spray. Kills beetles by direct contact; does not merely repel them. Harmless to humans and vegetation. A quart can make 4 gallons of spray ready for use. Qt. \$1.25.

Wilson's O. K. Plant Spray. A powerful yet harmless and efficient insecticide for aphids, red spider, mildew, scale, etc., for inside and outside spraying. Qt. \$1.25; gal. \$3.25.

Sundries

Charcoal Lump. For use in potting. Pk. 65 cts.; bus. \$1.50; bbl. sack \$2.50.

Leaf Mold. Bbl. 50 cts.; bus. \$1.50; bbl. sack \$3.25.

Lawn Mower Oil. Pt. 25 cts.; qt. 35 cts.; 1/2 gal. 65 cts.; gal. \$1.10; 5 gals. \$4.25.

Orchid Peat. Selected Sack \$3.25.

Jersey Peat. Bbl. \$3.25.

Sphagnum Moss, Dry. 5-bbl. bale \$4.50.

Sphagnum Moss, Live. Bbl. \$3.25.

Moss, Green Plant. Bbl. \$2.25.

Moss, Green Sheet. Sack \$3.50.

Propagating Sand. Bbl. \$3.

Pebbles. Qt. 10 cts.; pk. 75 cts.; bus. \$2.50; bbl. sack \$5.

Soil for Potting. Pk. 40 cts.; bus. \$1.50; bbl. sack \$3.25.

THE IDEAL SPRAY FOR ROSES

Conquers Mildew and Black-Spot. Fertilizes through the Foliage

A highly concentrated fungicide that conquers Mildew and controls Black-Spot on roses, phlox, and other plants. It is unique in that it contains an important nitrogenous element—Hortogen—that is readily absorbed by the plant through the foliage, and results in stimulating to amazing vigor, luxuriant foliage, and wonderful blooms. This noted invisible spray has received the endorsement of the world's leading rosarians. With it the amateur can attain results heretofore deemed possible only by professionals. Soluble in water and highly concentrated. 1/2 pt. 75 cts.; pt. \$1.25; qt. \$2; 1/2 gal. \$3.50; gal. \$6.

Fungtrogen
FUNGICIDE FERTILIZER

(ROSENBLUTH FORMULÆ)

Tergen
GROUND DRESSING
FERTILIZER AND FERTILIZER

Aphtrogen
MILD CURE FOR
APHIDS AND GREEN FLIES

Insectrogen
INSECTICIDE
FOR ALL INSECTS

Spring-Summer Ground Dressing and Ground Stabilizer

A valuable plant-food. Reinforces manure fertilizers. Supplies essential chemical elements to the soil.

1-lb. tins.....\$0.75 10-lb. tins.....\$4.75
2-lb. tins.....1.25 25-lb. drums.....11.00
5-lb. tins.....2.75 100-lb. drums.....40.00

NOTE.—A 10-lb. tin is sufficient for one application for 30 to 50 rose bushes.

Destroys the destructive aphids in two or three applications. For all plants subject to aphids or plant-lice. Carries the noted Rosenbluth leaf fertilizer.

4 ozs.....\$0.75 2 lbs.....\$3.50
1/2 lb.....1.25 12 lbs.....15.00

For leaf-chewing insects—caterpillars, slug worms, Japanese beetles, etc., and blights. A powerful fertilizer, too. Use alternately with Fungtrogen. Both carry their own spreader.

1/2 pt. (sample).....\$1.00 1/2 gal.....\$4.50
Pt.....1.75 Gal.....8.00
Qt.....2.75

All these preparations are indorsed by leading rosarians and by us



Ageratum



Cosmos



Lupinus



Primula



Comet Aster



Delphinium

Flowers and Plants for Different Purposes and Situations

WHICH CAN BE GROWN FROM SEED

FLOWERING ANNUALS

Including some perennials which flower the first season from seed. Those marked * are the best for massing in beds and borders.

- | | |
|----------------------|-----------------|
| *Acerolinum | *Larkspur |
| *Ageratum | *Linum |
| *Alyssum | *Lobelia |
| *Antirrhinum | *Lupinus |
| *Arctotis | *Marvel of Peru |
| *Aster | *Mignonette |
| *Balsam | *Myosotis |
| *Begonia | *Nasturtium |
| *Calendula | *Nemophila |
| *Calliopsis | *Nicotiana |
| *Candytuft | *Nigella |
| *Celosia | *Pansy |
| *Centaurea | *Petunia |
| *Chinese Wool Flower | *Phlox |
| *Chrysanthemum | *Pinks |
| *Clarkia | *Poppy |
| *Coreopsis | *Portulaca |
| *Cornflower | *Rhodanthe |
| *Cosmos | *Salpiglossis |
| *Daisy | *Salvia |
| *Dianthus | *Scabiosa |
| *Dimorphotheca | *Schizanthus |
| *Eschscholtzia | *Stevia |
| *Gaillardia | *Stocks |
| *Godetia | *Sunflower |
| *Gomphrena | *Sweet Peas |
| *Gypsophila | *Tagetes |
| *Helianthus | *Verhena |
| *Helichrysum | *Zinnia |
| *Hunnemannia | |

FRAGRANT FLOWERS

- | | |
|-------------------|-------------------|
| Alyssum | Nicotiana Affinis |
| Candytuft | Polyanthus |
| Carnation | Scabiosa |
| Centaurea | Stocks |
| Cyclamen | Sweet Peas |
| Heliotrope | Sweet William |
| Lupinus | Violet |
| Mignonette | Wallflower |
| Mimulus Moschatos | |

ORNAMENTAL FOLIAGE PLANTS

- | | |
|------------------------|-----------|
| Amaranthus | Kochia |
| Centaurea Candidissima | Pyrethrum |
| Cineraria Maritima | Ricinus |
| Coleus | |

EDGING AND BORDER PLANTS

- | | |
|------------------------|------------------------|
| Ageratum | Myosotis |
| Alyssum | Nasturtium, Tom |
| Begonia | Thumb |
| Bellis | Nemophila |
| Candytuft, Dwarf | Pansies |
| Centaurea Candidissima | Petunia, Rosy Morn |
| Cineraria Maritima | Phlox Drummondii |
| Daisy | Polyanthus |
| Dimorphotheca | Pyrethrum |
| Lobelia | Tagetes Signata Pumila |
| Marigold, French | Viola |

VARIETIES FOR SHADED AND PARTIALLY SHADED PLACES

- | | |
|-------------------|--------------------|
| Aquilegia | Kenilworth Ivy |
| Auricula | Lobelia Cardinalis |
| Begonia, Tuberous | Mimulus |
| Bellis | Myosotis |
| Cineraria | Nemophila |
| Clarkia | Polyanthus |
| Daisy | Primula |
| Digitalis | Viola |
| Godetia | |

PLANTS FOR HANGING BASKETS, ETC.

- | | |
|---------------------|--------------|
| Alyssum | Maurandia |
| Asparagus Sprengeri | Nasturtium |
| Begonia | Nierembergia |
| Convolvulus | Petunia |
| Kenilworth Ivy | Smlax |
| Lobelia | Thunbergia |



Mignonette



Eschscholtzia



Nasturtium



Digitalis

FLOWERING PERENNIALS

- | | |
|---------------|--------------------|
| Aconitum | Lobelia |
| Anchusa | Lupinus |
| Anemone | Lychnis |
| Aquilegia | Myosotis |
| Auricula | Pentstemon |
| Bellis | Phlox |
| Campanula | Platycodon |
| Carnation | Polyanthus |
| Chrysanthemum | Poppy, Orientale |
| Coreopsis | Pyrethrum |
| Daisy | Salvia |
| Delphinium | Scabiosa Caucasica |
| Digitalis | Statice |
| Eupatorium | Sweet William |
| Gaillardia | Viola |
| Gypsophila | Wallflower |
| Hollyhock | |



Pansies



Pyrethrum



Petunias



Sweet Peas

WATERER'S SUPERB

Flower Seed Collections

THESE special collections have been carefully prepared to secure a continued succession of bloom, and to provide flowers for both cutting and garden decoration. They are time-savers for busy people, who desire good, dependable flowers, but lack time or experience to choose the best from the bewildering number of varieties offered in catalogues.

Either collection will provide ample plants to furnish a goodly garden, but the best results will naturally occur from a judicious mingling of Annuals and Perennials.

Descriptions of the various sorts will be found in their proper place in the catalogue.

Annual Flower Garden Collection, \$1.50

IF PURCHASED SEPARATELY THIS COLLECTION WOULD COST \$2

	Page		Page
Ageratum, Blue Perfection	6	Dianthus chinensis (China or Indian Pink), Mixed	17
Alyssum, Carpet of Snow	8	Dimorphotheca aurantiaca (African Daisy), Hybrids	17
Antirrhinum (Snapdragon), Half-Dwarf, Mixed	7	Eschscholtzia aurantiaca (California Poppy)	18
Aster, Giant Late Branching, Mixed	9	Helichrysium (Straw Flower), Mixed	19
Calendula (Pot Marigold), Orange King	12	Larkspur, Double Stock-flowered, Mixed	21
Calliopis, Mixed	12	Nasturtium, Dwarf Superb, Mixed	24
Candytuft, Mixed	12	Nigella, Miss Jekyll (Love-in-a-Mist)	24
Centaurea imperialis (Giant Sweet Sultan), Mixed	14	Poppy, Shirley, Mixed	27
Chrysanthemum, Mixed	14	Scabiosa, Improved Large-flowered, Mixed	29
Cosmos, Giant Early-flowering, Mixed	15	Zinnia, Double Giant, Mixed	34

Perennial Flower Garden Collection, \$1.75

IF PURCHASED SEPARATELY THIS COLLECTION WOULD COST \$2.40

	Page		Page
Anthemis tinctoria Kelwayi (Hardy Marguerite)	8	Gypsophila paniculata (Baby's Breath)	19
Aconitum Napellus (Monkshood)	6	Hollyhock, Chater's Double, Mixed	20
Anchusa italica	8	Lupinus polyphyllus, Mixed	22
Aquilegia (Columbine), Long-spurred Hybrids	62	Lychnis chalcedonica, Salmon Queen	22
Bocconia cordata (Plume Poppy)	11	Platycodon grandiflorum (Chinese Bellflower), Blue	26
Campanula persicifolia grandiflora (Peach Bells)	12	Poppy, Oriental Hybrids	27
Coreopsis lanceolata grandiflora (Harvest Moon)	63	Pyrethrum hybridum grandiflorum	28
Delphinium, Gold Medal Hybrids	16	Physostegia virginica (False Dragonhead)	65
Digitalis (Foxglove), Gloxinia-flowered	16	Scabiosa caucasica	29
Dianthus plumarius (Hardy Pinks), Single Mixed	17		
Gaillardia grandiflora (Blanket Flower)	18		

Rock Garden Collection, \$1

IF PURCHASED SEPARATELY THIS COLLECTION WOULD COST \$1.35

	Page		Page
Alyssum saxatile compactum	8	Gypsophila muralis	19
Arabis alpina (Rock Cress)	8	Heuchera, Choice Hybrids	20
Aquilegia cerulea (Blue Columbine)	62	Iberis sempervirens (Hardy Candytuft)	64
Campanula carpatica	12	Poppy, Iceland, Mixed	27
Cerastium tomentosum (Snow-in-Summer)	14	Primula elatior (Polyanthus)	28

QUALITY

Seeds
Bulbs and
Plants

1927

PLEASE USE THIS ORDER SHEET

HOSEA WATERER

714 Chestnut St., PHILADELPHIA, PA.

(One Block West of Independence Hall)

SERVICE

Fertilizers
Insecticides
Sprayers
Tools

Date _____ Charge to _____ Amount enclosed, \$ _____

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Post Office _____

Street and Number _____

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County _____ State _____ Express Office _____

Ship by _____ Ordered by _____

Express, Freight or Parcel Post

All Seeds, etc., sold herewith will be supplied only under the terms stated in our Catalogue

[illegible]

[illegible]



714 CHESTNUT STREET,
PHILADELPHIA, PENNA.,
FEBRUARY 20TH, 1927.

U. S. Dept. Agriculture,
Washington,
D. C.

On February 15th we mailed you copy of our 1927 Spring Seed Catalogue.

It is impossible to place the catalogue in the home just at the time the weather suggests planting, hence this letter, which is directed to the man who looks after his own Lawn and Garden.

The thing to do is to be ready when the weather breaks.

Your first consideration should be the grass. If the lawn showed very many patches last fall perhaps the best thing to do is to turn it over, using Bone Meal and following the instructions as directed on page 2. Have your fertilizers and seeds ready and for ordinary purposes use Waterer's Special Evergreen Mixture.

Study the possibilities of your plot and make it reflect your personality, like your home.

Then tackle the flower beds. Unless you have a hobby for the cultivation of certain flowers, choose those seeds which are easily cultivated first, say:

ANNUAL LARKSPUR
CALIFORNIA POPPY
CALLIOPSIS

COSMOS
MARIGOLDS
SCABIOSA

STRAWFLOWERS
SWEET ALYSSUM
ZINNIAS

Summer flowering bulbs:—

BEGONIAS

GLADIOLI

TUBEROSES

then add those varieties you like best.

Last season the writer had a bare corner which was always a problem and he took a straight bean pole, mounted a bird-house and trained up honeysuckle. Now this suggestion may be carried out with Cardinal Climber, English Ivy or two year old Wisteria.

At the rear gateway you may have Privet, which has not done so well. This might be replaced with the new variety of Japanese Red Leaved Barberry.

If you have a large lawn you might reserve a space in planting the Annuals for a few Perennials to be added later in the season.

There is one important factor you have in your favor,—all seeds are given a thorough germination test before they go into those little packets you buy.

We are offering one more suggestion: when you are in town stop in at the store and any of our men will gladly tell you the possibilities of the varieties in which you are interested and give you detailed planting instructions.

We are enclosing herewith an additional order blank and assure you that your order will be carefully and promptly executed and that your business is very much appreciated.

Thanking you for your business, we are,

Very truly yours,

Hosea M. Waterer

PH:MC

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Estate of HOSEA WATERER

714 Chestnut Street

Philadelphia, Pa.



Hosea Waterer
*Seedsman and
Bulb Importer*

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